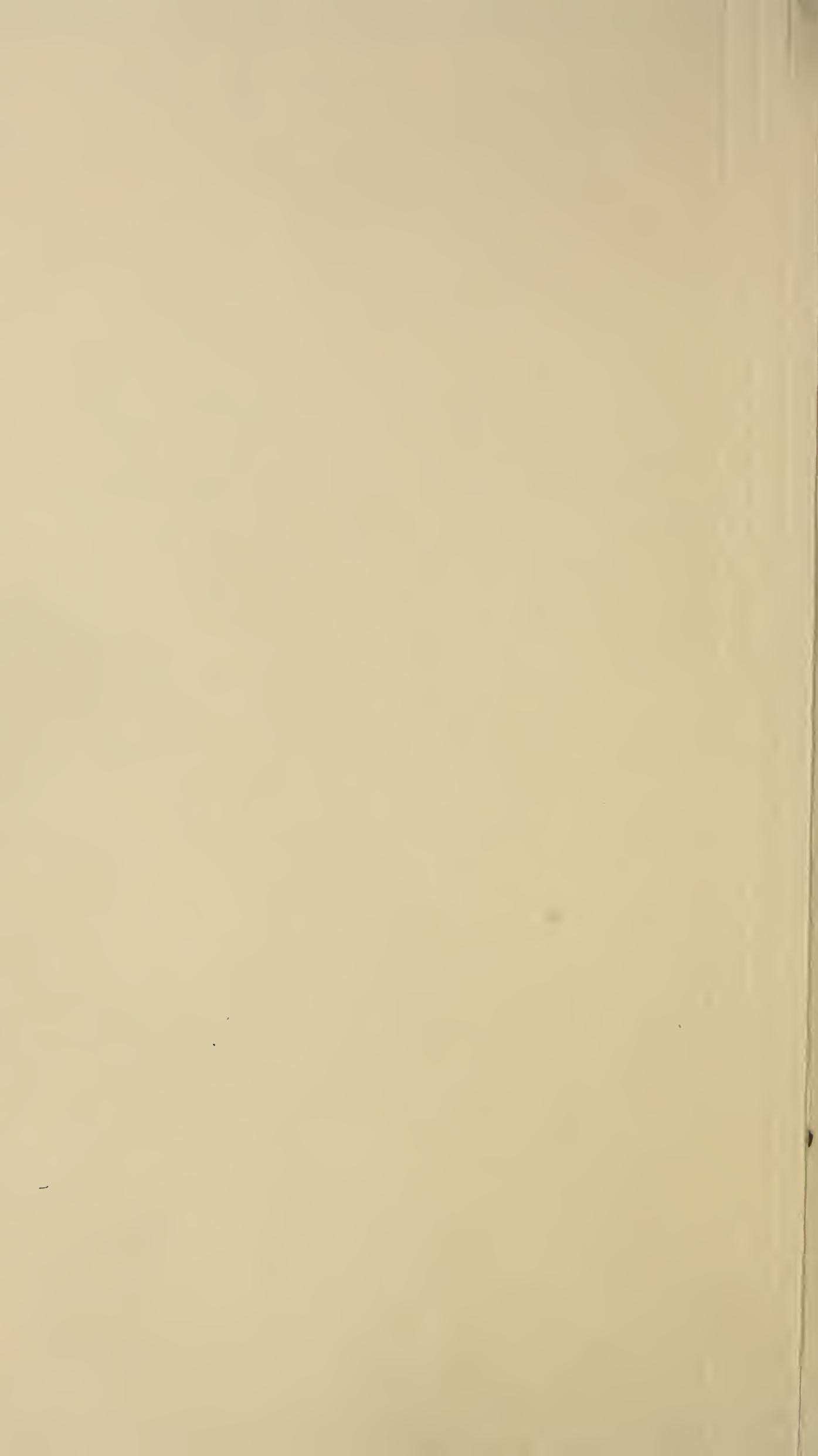


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# *Fire Damage*

FROM INCREASED RUN-OFF AND EROSION

LOS PADRES NATIONAL FOREST

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AND

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1948

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### Acknowledgment

The estimates of fire damage contained in this volume are the final product of a study undertaken jointly by the authors and the Forest Influences Division of the California Forest and Range Experiment Station in cooperation with the four southern California national forests. They are thus the result of the combined efforts of many individuals who played an active role in one or more phases of the work. The project was sponsored by and financed in part by the California Region of the Forest Service.

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FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION

LOS PADRES NATIONAL FOREST

By

Charles C. Buck, Wallace L. Fons, and Clive M. Countryman<sup>1/</sup>

NEED FOR DAMAGE APPRAISALS

Protection from fire has long been recognized as the key to successful management of the mountain watershed lands as an integral part of the whole southern California economy. Planning and replanning the organization, facilities, and finances necessary to provide a level of protection that will satisfy current needs of the growing community at a justifiable cost is a continuous and important part of the management effort. An essential first step in this activity is to obtain up-to-date information on the specific damages that result from fire occurrence. Actual damages must be appraised as the fires occur to provide a current check on the effectiveness of the protection afforded. Potential damages expected under different levels of protection intensity must also be estimated to serve as guides for determining whether increases or decreases in the protection effort are necessary or warranted. Maintaining protection intensity in step with the local economy is a particularly difficult and currently critical problem throughout the southern California region.

Damages from fires in southern California are frequently of several kinds. Fires destroy structural improvements; they consume forage used by domestic stock and wildlife; they interrupt or make necessary the rerouting of traffic while they are burning; they disrupt normal business and recreational uses within the general fire area. By removing the vegetation cover they also change the run-off and erosion characteristics of the watersheds themselves. This change causes delayed and oftentimes hidden, and thus usually uncounted but nonetheless real and far-reaching damage. All these forms of damage must be evaluated to obtain an adequate appraisal of the effects of fire.

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<sup>1/</sup> California Forest and Range Experiment Station, maintained by the Forest Service, U. S. Department of Agriculture, at Berkeley, California in cooperation with the University of California.



## THE WATERSHED FIRE DAMAGE STUDY

Many of the foregoing damages can be evaluated in dollars by direct field examination immediately after a fire. Damages due to changed run-off and erosion rates of a watershed, on the other hand, usually accumulate for varying periods of years after fire. This portion of fire damage -- termed here "watershed fire damage" -- must therefore be predicted in advance of actual occurrence if the appraisal of total fire damage is to serve a useful purpose in current fire control practice. The only practical way thus far proposed by which this can be done is to establish the relationships between run-off and erosion and damage and then to estimate the damages by forecasting the changes in run-off and erosion brought about by fire. This involves an inventory and a detailed systematic analysis of a large number of complex physical and economic factors that enter into the problem. Such analyses for fire damage appraisal purposes have not been made heretofore.

The present study was initiated as an exploratory step in this new field. Its objective was to provide estimates of watershed fire damage that would serve as a practical basis for fire damage appraisals on the southern California national forests. To accomplish this objective it was necessary first to bring into focus and then to evaluate on a physical basis various aspects of damage which have previously been overlooked or merely estimated from personal judgment alone. The study, concerned exclusively with the watershed damage portion of total fire damage, was carried out in three separate phases: (1) developing and adapting appropriate methods for each of the many steps required in the actual calculations, (2) gathering data on each of the physical and economic factors concerned, and (3) subjecting the data to analysis and compiling the damage estimates.

Many of the methods used were new and previously untried. Many compromises were necessary, owing to meager records of past watershed performance and other important factors, and to other causes. Even with these limitations, however, the results appear to be generally acceptable for land management purposes.

This publication, which represents part of the end result of the study, contains tables of estimated run-off and erosion damages of different kinds resulting from fire on watersheds of Los Padres National Forest. The tables do not include such damages as those resulting from destruction of improvements, forage, timber, recreation uses and the like by fire itself. These direct fire damages must be appraised separately and added to the watershed damages tabulated in this volume. Some of these other damages are listed on page viii.



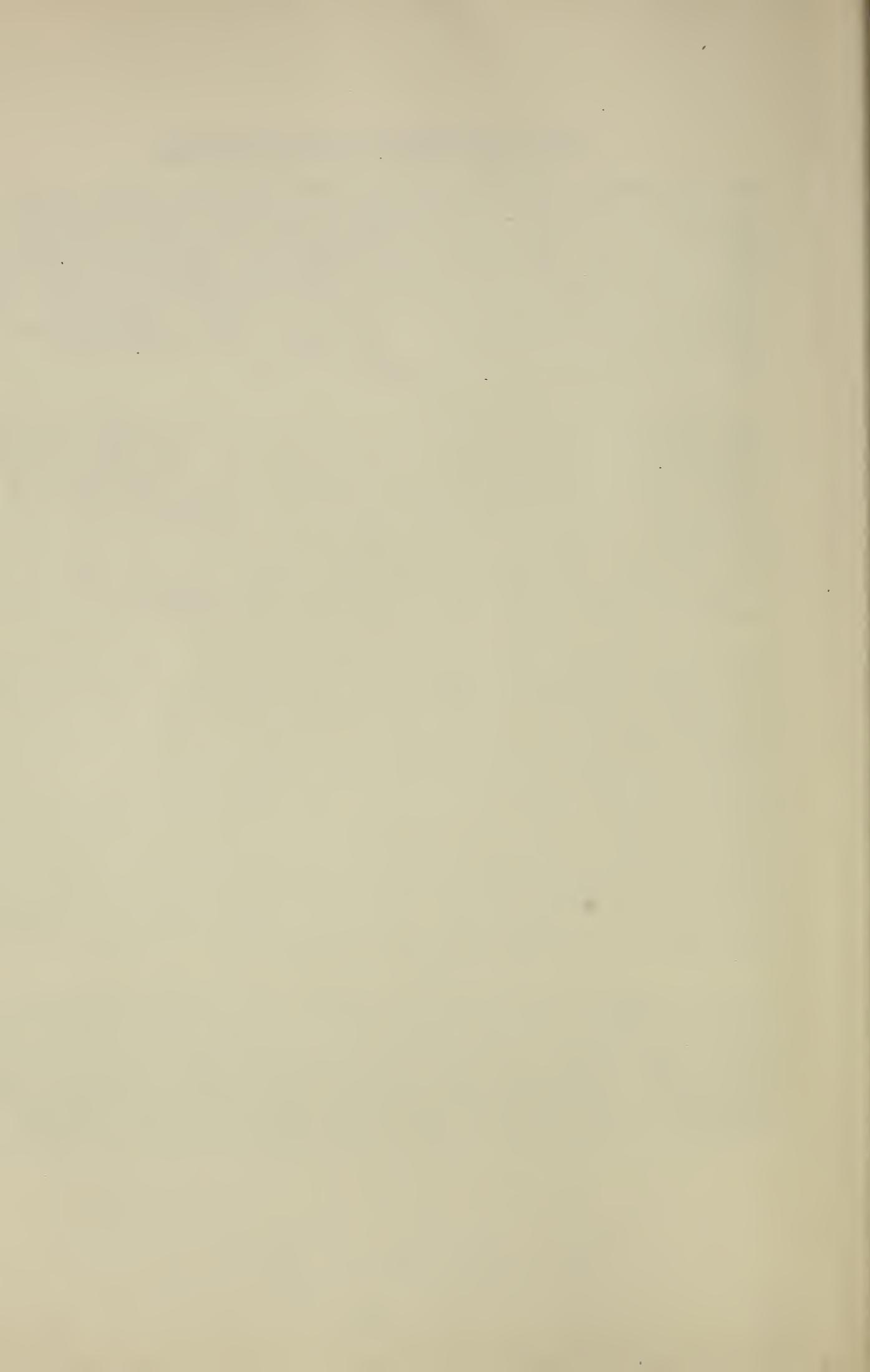
## NATURE OF WATERSHED DAMAGES CONSIDERED

Watershed damages for the purpose of this study are limited primarily to the dollar costs directly attributable to run-off and erosion from the mountain areas. These costs are the expenses met with in using and maintaining land, improvements, and resources. They include repairs to improvements damaged or sale value of those destroyed by run-off and erosion, as well as such indirect costs as emergency expenditures required to maintain uses and services during storm periods, and expense for rental of alternate facilities during the periods required for repair or replacement of those damaged by floods.

Detailed studies of the southern California flood and erosion problem have indicated that increased rates of run-off and deposition of debris downstream may persist for many years after fire. The potential increases above the normal rates are largest the first year, moderate for about 5 years, and then decline slowly for the remaining years required for complete recovery of the watershed. The evidence indicates that many watershed units require considerably in excess of 50 years for return to normal. In appraising watershed damage resulting from fire, it is thus necessary to cumulate the damages from increased run-off and erosion on the burned area each year during the recovery period.

The watershed damages tabulated in this publication represent differences between (1) estimated damage cumulated from time of burning to time of complete watershed recovery and (2) estimated damage which would have taken place during the same period had the fire not occurred. The damages which will actually accrue in any particular year on either a burned or on an unburned watershed depend among other things on the amount, intensity, and distribution of the precipitation that year. Since there is no way of telling what this will be for individual future years, the results of the study indicate only the most probable damages over a long period of time that can be expected for a fire of average intensity and average location within a watershed unit. For any individual fire the actual damage that will be experienced may, of course, be either greater or less than the average because of an odd sequence of flood years or other unforeseeable circumstances.

The damage estimates, expressed in dollars, are based on 1941 price levels. It was assumed for purposes of this study that this price level would prevail during the period in which the damages are expected to accrue. No allowance was made for future developments in either the upstream or the downstream flood paths, nor for changes in present watershed performance caused by future fires. Revision of the estimates should thus be made from time to time as changing conditions warrant.



## WATERSHED DAMAGE ESTIMATES

For application of the principles and methods developed in the damage appraisal study, Los Padres National Forest has been divided into 70 damage appraisal units. Each unit consists of the upstream portion of a single stream, a major tributary, or a slope facet.

Within each of these units the peak discharge per square mile for each flood event and the volume of debris per year per square mile of watershed were determined as the two basic measures of watershed performance on which to base the calculations of watershed damage. These measures of run-off and erosion were estimated from analysis of past records of precipitation, streamflow, sedimentation, and of such watershed factors as geology, soils, shape and steepness of watershed, and kind and condition of the vegetation. Run-off and erosion rates were applied uniformly to all upstream areas within the individual appraisal units.

For the purpose of this study it was assumed that storms of given size and intensity in the future will have the same average frequency of occurrence as the available records show them to have had in the past. Estimates of run-off and erosion under this precipitation pattern were prepared for each watershed when normal--with fully recovered vegetation, for each year after burning, and for each year from 1945 to estimated time of recovery from past fires<sup>1/</sup>. Recovery periods vary widely between different watersheds covered by the study. The majority, however, appear capable of recovering to near normal within 70 years. Hence, for simplicity in calculating, damages on all watersheds were cumulated for this 70 year period.

Because of the non-uniform distribution of upstream values and differences in their susceptibility to damage, each appraisal unit was further subdivided into one or more slope and canyon bottom zones. These are areas considered to be sufficiently uniform in character that average damage rates can be applied without excessive error. The zones have been designated as:

- . Zone 1 - upper slopes with prevailing north exposures
- Zone 2 - lower slopes with prevailing north exposures
- Zone 3 - principal canyon bottoms susceptible to flooding
- Zone 4 - lower slopes with prevailing south exposures
- Zone 5 - upper slopes with prevailing south exposures

Appraisal units were divided into two or more appropriate zones whenever differences were apparent, either in damageable values at stake or in damage rates for any given storm occurrence.

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<sup>1/</sup> Peak Discharge and Erosion from Southern California Watersheds as Influenced by Fire. P. B. Rowe, H. C. Storey and C. M. Countryman, typewritten manuscript.



Damageable values associated with each watershed unit and zone were compiled from two sources. Downstream values were obtained from both published and unpublished data collected by the Corps of Engineers and by the Department of Agriculture Surveys for Flood Control for areas in which such surveys have been made. The remaining downstream values and all upstream values, together with their susceptibilities to damage, were obtained from field inventories made as part of the damage appraisal study.

Damage to each of the different kinds and locations of values considered in the study was calculated separately according to the way each is normally affected by the occurrence of run-off and debris movement. The many steps required in the analysis are too numerous for inclusion here, but will be described in a later paper. Different methods were developed for determining the three kinds of damage recorded in the damage tables. The basic differences were as indicated below.

Upstream damages and those in the downstream overflow area were computed in terms of physical damage to the inventoried improvements by individual storms weighted according to their frequency of occurrence, plus any loss suffered by the use associated with each improvement item as a result of physical damage to the property.

The cost of handling and storing debris--usually included in the past as part of downstream flood damage--was separately calculated in the present study. This was done because such cost is not always associated with physical damage to improvements and because it is large and relatively important. Costs of handling or storing the annual volume of debris resulting from erosion were calculated on the basis of its probable downstream distribution as indicated by field inspection.

Damage to water supply was calculated in terms of acre feet of water lost to domestic, agriculture, or power use due to pollution or other causes during storm periods. The effects of fire on underground water supplies and on the annual volume of recoverable streamflow were NOT included in the damage estimates. To include them would require the gathering of much more data and a much more detailed analysis of individual flood events than was possible in the current project. The water supply considered was therefore restricted to that taken from stream diversions for domestic, irrigation, and power uses wherever these were inventoried, and damage was restricted to the kinds for which calculations could reasonably be made in terms of the peak discharge for each flood.

No attempt was made to evaluate loss of life or social and other intangible damages for which there are no generally accepted dollar equivalents.



## HOW TO USE THE DAMAGE TABLES

The damage estimates in the accompanying tables may be used with only slight variations of method in a number of fire control activities. Three of these activities for which there is opportunity for immediate and important application are (1) appraising damage from individual fires, (2) estimating the changes in fire damage that will result from the increased or decreased numbers or sizes of future fires expected under different intensities of protection, and (3) planning strategy and deciding priorities for action on going fires. Methods appropriate for each of these uses are outlined below.

In appraising damage from individual fires, run-off and erosion damage must be determined separately for each of the damages listed in the tables and separately for the area burned within each Damage Appraisal Unit<sup>1/</sup>. When a single fire burns in more than one unit the totals for each unit must therefore be added together to determine the total watershed damage for the fire. Direct fire damages must be added to this figure to obtain total fire damage. The following steps are necessary to compute watershed damage within each Appraisal Unit:

1. Determine the total area burned in the Appraisal Unit.
2. Determine the total area burned in each slope zone.
3. Turn to the damage table for the unit concerned.
4. On the top portion of the table under each of the upstream slope zones burned - (1), (2), (4), and (5) - read dollars damage per acre opposite the size class in which the area burned in each zone<sup>2/</sup> falls.
5. Multiply the dollars per acre read in each zone column by the number of acres burned in that zone.
6. On the bottom portion of the table under each of the columns headed "other damages" read dollars per acre opposite the size class in which the total area burned in the appraisal unit<sup>2/</sup> falls.

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<sup>1/</sup> Damage Appraisal Units and slope zones are indicated on sketch maps that follow the tables.

<sup>2/</sup> Note that the maximum area, in acres, to be used in computing damage is in some cases less than the actual area of the zone or unit. This smaller figure represents the total area in the zone or unit that will have increased run-off and erosion after fire. The remainder will not be affected by fire to an appreciable extent.



7. Multiply the dollars per acre read in each of these columns by the total acres burned in the appraisal unit.
8. Add together the dollars damage computed for the separate columns on the top and bottom portions of the table to obtain the total estimated damage for the Appraisal Unit.

If the fire burned in more than one Appraisal Unit, add the totals computed independently for each one to obtain a total for the whole fire.

In estimating the changes in fire damage that will result from changes in the numbers or sizes of future fires it is necessary to estimate damage for the individual future fires predicted. In order to apply the tables for this purpose, the number of burned acres to be assigned to each of the upstream slope zones burned must be decided for each presumed fire. Any distribution within an appraisal unit may be assumed that will suit the specific purpose at hand. It should be satisfactory in most instances of planning, however, to assume that fires on the average will be distributed among the respective zones in proportion to their relative burnable areas within the unit. The appropriate areas in acres are given in the tables for each unit and zone. Average watershed damage estimates for different sizes of fires have been computed from the tables on this basis for all damage appraisal units within the southern California study area. These are planned for distribution as a separate release.

In planning strategy and deciding priorities for action on going fires the tables should be used in the manner most appropriate for the specific problem at hand. For example: (1) where the problem of balancing suppression cost against potential damage arises in planning strategy, total watershed damage inside a tentative control line may be calculated from the tables in the same manner as if the area were burned, (2) where the problem of deciding priorities for line action on a fire involves a choice of local areas to be sacrificed to attain a particular burned area objective for the fire, comparisons should be made between the damage rates given in the tables for the particular zones and appraisal units involved; (3) where the problem is concerned with establishing priorities for action on more than one going fire--particularly where tentative control lines have not been decided--average damage rates determined from the tables as described in the preceding paragraph should usually provide an adequate measure of the relative damage potentials of the fires involved.

It should be noted that wherever used these damage estimates are directly applicable only to the specific damage appraisal units for which they were prepared. Using them as guides, however, useable estimates may be made of average damages to be expected on adjacent areas that are reasonably comparable in terrain and degree of development.



### ADDITIONAL FIRE DAMAGES

It was indicated in the beginning that a single fire may have several effects, all of which must be evaluated to secure an adequate appraisal of true fire damage. The fire damage resulting from increased run-off and erosion was selected for special treatment here because of its general importance in southern California and because it requires the application of specialized methods for its evaluation. The total of other forms of fire damage, however, may frequently surpass watershed damage in magnitude and should not be overlooked.

Among the more important forms of additional damage that should be considered in making a fire damage appraisal are:

1. Destruction of property and resources by fire.
2. Short and long period losses of recreational use.
3. Game animals and other wildlife killed.
4. Forage for wildlife and domestic animals damaged.
5. Costs of evacuation, traffic blocks, etc., during the fire.
6. Loss of revenue from damaged property and resources.
7. Rental of alternate facilities during repair or replacement of facilities damaged by fire.

These elements should be considered in estimating the probable damage from future fires as well as in making current damage appraisals.



TABLES OF EXPECTED FIRE DAMAGE FROM  
INCREASED RUN-OFF AND EROSION

Los Padres National Forest



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION <sup>1/</sup>

Fire damage appraisal unit : Piru Creek

Unit No. P-1

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20		0.00	0.00	0.00
21 - 40		0.05	0.05	0.05
41 - 60		0.05	0.05	0.10
61 - 100		0.05	0.10	0.15
101 - 180		0.10	0.20	0.30
181 - 300		0.20	0.30	0.50
301 - 600		0.40	0.55	0.95
601 - 1000		0.70	0.80	1.70
1001 - 1750		0.90	0.80	2.20
Over 1750		0.90	0.80	2.20
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
	34,047	26,571	81,018	116,085
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20		0.00	0.00	0.00
21 - 40		0.00	0.00	0.00
41 - 60		0.00	0.00	0.05
61 - 100		0.00	0.00	0.05
101 - 180		0.00	0.00	0.10
181 - 300		0.00	0.00	0.15
301 - 600		0.00	0.00	0.30
601 - 1000		0.00	0.00	0.55
1001 - 1750		0.00	0.00	0.70
1751 - 3000		0.00	0.00	0.70
3001 - 5000		0.00	0.00	0.70
5001 - 9000		0.00	0.00	0.70
9001 - 15,000		0.00	0.00	0.70
15,001 - 25,000		0.00	0.00	0.70
25,001 - 50,000		0.00	0.00	0.70
50,001 - 100,000		0.05	0.05	0.70
100,001 - 200,000		0.05	0.05	0.70
Over 200,000		0.10	0.15	0.70
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
	257,721	257,721	257,721	

<sup>1/</sup> Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION <sup>1/</sup>

Fire damage appraisal unit: Hopper Canyon

Unit No. P-2

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20			2.65	0.05
21 - 40			12.20	0.25
41 - 60			21.00	0.45
61 - 100			33.20	0.75
101 - 180			42.00	1.25
181 - 300			42.00	2.20
301 - 600			42.00	2.80
601 - 1000			42.00	2.80
1001 - 1750			42.00	2.80
Over 1750			42.00	2.80
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
			3,579	10,821
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20		0.00	0.30	
21 - 40		0.00	1.40	
41 - 60		0.00	2.35	
61 - 100		0.00	3.75	
101 - 180		0.00	6.50	
181 - 300		0.05	11.20	
301 - 600		0.05	14.20	
601 - 1000		0.10	14.20	
1001 - 1750		0.15	14.20	
1751 - 3000		0.25	14.20	
3001 - 5000		0.45	14.20	
5001 - 9000		0.75	14.20	
9001 - 15,000		1.60	14.20	
Over 15,000				
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
		14,400	14,400	

<sup>1/</sup> Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION <sup>1/</sup>

Fire damage appraisal unit: Fairview

Unit No. P-3

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20				0.00
21 - 40				0.00
41 - 60				0.00
61 - 100				0.00
101 - 180				0.00
181 - 300				0.00
301 - 600				0.00
601 - 1000				0.00
1001 - 1750				0.00
Over 1750				0.00
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres) 2,516
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20		0.30	1.10	
21 - 40		1.35	5.10	
41 - 60		2.30	8.70	
61 - 100		3.65	13.80	
101 - 180		6.40	23.90	
181 - 300		10.90	41.00	
301 - 600		20.20	52.50	
601 - 1000		27.80	52.50	
1001 - 1750		27.80	52.50	
Over 1750		27.80	52.50	
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres) 2,516

<sup>1/</sup> Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION 1

Fire damage appraisal unit: Pole Canyon

Unit No. P-4

Area burned by zones  (acres)	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (dollars per acre)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20	0.00		0.15	0.05
21 - 40	0.00		0.75	0.35
41 - 60	0.00		1.25	0.60
61 - 100	0.00		2.00	0.90
101 - 180	0.00		2.55	1.60
181 - 300	0.00		2.55	2.75
301 - 600	0.00		2.55	3.50
601 - 1000	0.00		2.55	3.50
1001 - 1750				3.50
Over 1750				3.50
Maximum area for computing damage on slopes	(acres) 672	(acres)	(acres) 806	(acres) 3,557

OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20		0.00	0.65	
21 - 40		0.00	2.95	
41 - 60		0.20	5.10	
61 - 100		0.30	8.00	
101 - 180		0.50	13.90	
181 - 300		0.85	23.90	
301 - 600		1.55	30.50	
601 - 1000		2.80	30.50	
1001 - 1750		4.75	30.50	
1751 - 3000		8.20	30.50	
3001 - 5000		13.80	30.50	
Over 5000		17.80	30.50	
Maximum area for computing other damages	(acres)	(acres) 5,035	(acres) 5,035	(acres)

1/ Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION <sup>1/</sup>

Fire damage appraisal unit : Sespe Creek

Unit No. P-5

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20		0.05	0.15	0.10
21 - 40		0.35	0.80	0.45
41 - 60		0.60	1.35	0.75
61 - 100		0.95	2.15	1.20
101 - 180		1.65	2.70	2.05
181 - 300		2.20	2.70	3.50
301 - 600		2.20	2.70	4.45
601 - 1000		2.20	2.70	4.45
1001 - 1750		2.20	2.70	4.45
Over 1750		2.20	2.70	4.45
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
	32,923	25,513	39,379	53,429
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20	0.00	0.00	0.10	
21 - 40	0.00	0.00	0.50	
41 - 60	0.00	0.00	0.85	
61 - 100	0.00	0.00	1.30	
101 - 180	0.00	0.00	2.25	
181 - 300	0.00	0.00	3.90	
301 - 600	0.00	0.00	7.20	
601 - 1000	0.00	0.00	9.90	
1001 - 1750	0.00	0.00	9.90	
1751 - 3000	0.00	0.00	9.90	
3001 - 5000	0.00	0.00	9.90	
5001 - 9000	0.00	0.05	9.90	
9001 - 15,000	0.00	0.05	9.90	
15,001 - 25,000	0.00	0.10	9.90	
25,001 - 50,000	0.05	0.25	9.90	
50,001 - 100,000	0.10	0.55	9.90	
100,001 - 200,000	0.20	1.15	9.90	
Over 200,000				
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
	151,244	151,244	151,244	

<sup>1/</sup> Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION 1

Fire damage appraisal unit: Lower Sespe Creek

Unit No. P-6

Area burned by zones  (acres)	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (dollars per acre)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20			0.10	0.00
21 - 40			0.40	0.05
41 - 60			0.75	0.10
61 - 100			1.15	0.10
101 - 180			1.95	0.20
181 - 300			3.40	0.35
301 - 600			4.30	0.65
601 - 1000			4.30	0.90
1001 - 1750			4.30	0.90
Over 1750			4.30	0.90
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
			1,788	2,327
OTHER DAMAGES				
Total area burned in all zones  (acres)	Upstream canyon bottom (dollars per acre)	Downstream overflow area (dollars per acre)	Debris storage and/or removal (dollars per acre)	Water from stream diversions (dollars per acre)
0 - 20	0.00	0.00	0.35	
21 - 40	0.00	0.05	1.60	
41 - 60	0.00	0.10	2.80	
61 - 100	0.00	0.15	4.40	
101 - 180	0.00	0.25	7.60	
181 - 300	0.00	0.40	13.00	
301 - 600	0.00	0.70	24.20	
601 - 1000	0.05	1.30	33.30	
1001 - 1750	0.05	2.20	33.30	
1751 - 3000	0.10	3.80	33.30	
3001 - 5000	0.20	4.95	33.30	
Over 5000				
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
	4,115	4,115	4,115	

1/ Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION <sup>1/</sup>

Fire damage appraisal unit: Boulder Creek

Unit No. P-7

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20			0.70	0.05
21 - 40			3.20	0.20
41 - 60			5.50	0.35
61 - 100			8.70	0.60
101 - 180			11.00	1.00
181 - 300			11.00	1.70
301 - 600			11.00	2.20
601 - 1000			11.00	2.20
1001 - 1750			11.00	2.20
Over 1750			11.00	2.20
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
			1,824	7,501
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20		0.00	0.70	
21 - 40		0.05	3.20	
41 - 60		0.10	5.50	
61 - 100		0.15	8.70	
101 - 180		0.30	15.10	
181 - 300		0.50	26.00	
301 - 600		0.95	48.00	
601 - 1000		1.70	66.50	
1001 - 1750		2.95	66.50	
1751 - 3000		5.10	66.50	
3001 - 5000		6.60	66.50	
5001 - 9000		6.60	66.50	
9001 - 15,000		6.60	66.50	
Over 15,000				
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
		9,325	9,325	

<sup>1/</sup> Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION <sup>1/</sup>

Fire damage appraisal unit: Santa Paula Creek

Unit No. P-8

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20	2.35		1.20	0.05
21 - 40	10.90		5.40	0.10
41 - 60	18.80		9.40	0.20
61 - 100	29.80		14.80	0.35
101 - 180	37.70		18.80	0.60
181 - 300	37.70		18.80	1.00
301 - 600	37.70		18.80	1.85
601 - 1000	37.70		18.80	2.55
1001 - 1750	37.70		18.80	2.55
Over 1750	37.70		18.80	2.55
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
	2,880		7,077	14,675
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20	0.00	0.00	0.30	
21 - 40	0.00	0.00	1.50	
41 - 60	0.00	0.00	2.55	
61 - 100	0.00	0.00	4.05	
101 - 180	0.00	0.05	7.00	
181 - 300	0.00	0.10	12.00	
301 - 600	0.00	0.20	22.20	
601 - 1000	0.00	0.35	30.70	
1001 - 1750	0.05	0.55	30.70	
1751 - 3000	0.05	1.00	30.70	
3001 - 5000	0.10	1.65	30.70	
5001 - 9000	0.20	2.90	30.70	
9001 - 15,000	0.35	5.00	30.70	
Over 15,000	0.75	10.50	30.70	
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
	24,632	24,632	24,632	

<sup>1/</sup> Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION <sup>1/</sup>

Fire damage appraisal unit: San Antonio Creek

Unit No. P-9

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20			0.90	0.10
21 - 40			4.10	0.40
41 - 60			7.10	0.65
61 - 100			11.20	1.05
101 - 180			19.40	1.80
181 - 300			25.40	3.05
301 - 600			25.40	5.60
601 - 1000			25.40	7.80
1001 - 1750			25.40	7.80
Over 1750			25.40	7.80
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
			3,692	11,494
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20	0.00	0.00	0.50	
21 - 40	0.00	0.00	2.35	
41 - 60	0.00	0.00	4.05	
61 - 100	0.00	0.00	6.40	
101 - 180	0.00	0.10	11.00	
181 - 300	0.00	0.20	18.90	
301 - 600	0.00	0.35	35.10	
601 - 1000	0.00	0.65	48.40	
1001 - 1750	0.05	1.10	48.40	
1751 - 3000	0.05	1.90	48.40	
3001 - 5000	0.10	3.15	48.40	
5001 - 9000	0.20	5.50	48.40	
9001 - 15,000	0.35	9.50	48.40	
Over 15,000	0.45	12.30	48.40	
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
	15,186	15,186	15,186	

<sup>1/</sup> Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION <sup>1/</sup>

Fire damage appraisal unit: Matilija Creek

Unit No. P-10

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20	0.10	1.05	0.90	0.10
21 - 40	0.35	4.80	4.10	0.40
41 - 60	0.60	8.30	7.10	0.70
61 - 100	0.95	13.10	11.20	1.10
101 - 180	1.65	16.60	14.20	1.90
181 - 300	2.80	16.60	14.20	3.30
301 - 600	3.60	16.60	14.20	6.10
601 - 1000	3.60	16.60	14.20	8.40
1001 - 1750	3.60	16.60	14.20	8.40
Over 1750	3.60	16.60	14.20	8.40
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
	11,014	6,259	11,745	20,288

OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20	0.00	0.00	1.30	
21 - 40	0.00	0.00	6.00	
41 - 60	0.00	0.00	10.30	
61 - 100	0.00	0.00	16.30	
101 - 180	0.00	0.00	28.30	
181 - 300	0.00	0.00	48.50	
301 - 600	0.00	0.00	90.00	
601 - 1000	0.00	0.05	124.00	
1001 - 1750	0.00	0.05	124.00	
1751 - 3000	0.05	0.15	124.00	
3001 - 5000	0.05	0.25	124.00	
5001 - 9000	0.15	0.50	124.00	
9001 - 15,000	0.30	1.10	124.00	
15,001 - 25,000	0.60	2.05	124.00	
25,001 - 50,000	1.55	5.50	124.00	
Over 50,000				
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
	49,306	49,306	49,306	

<sup>1/</sup> Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION <sup>1/</sup>

Fire damage appraisal unit: Kennedy Canyon

Unit No. P-11

Area burned by zones  (acres)	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (dollars per acre)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20			1.30	0.05
21 - 40			6.00	0.30
41 - 60			10.30	0.50
61 - 100			16.30	0.80
101 - 180			20.60	1.35
181 - 300			20.60	2.30
301 - 600			20.60	4.30
601 - 1000				5.90
1001 - 1750				5.90
Over 1750				5.90
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
			467	2,556
OTHER DAMAGES				
Total area burned in all zones  (acres)	Upstream canyon bottom  (dollars per acre)	Downstream overflow area  (dollars per acre)	Debris storage and/or removal  (dollars per acre)	Water from stream diversions  (dollars per acre)
0 - 20		0.00	0.20	
21 - 40		0.10	0.80	
41 - 60		0.20	1.40	
61 - 100		0.30	2.25	
101 - 180		0.50	3.90	
181 - 300		0.85	6.70	
301 - 600		1.55	12.40	
601 - 1000		2.80	17.00	
1001 - 1750		3.55	17.00	
1751 - 3000		3.55	17.00	
3001 - 5000		3.55	17.00	
Over 5000				
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
		3,023	3,023	

<sup>1/</sup> Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION <sup>1/</sup>

Fire damage appraisal unit: Coyote Creek

Unit No. P-12

Area burned by zones  (acres)	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (dollars per acre)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20	0.20		0.50	0.05
21 - 40	0.85		2.40	0.30
41 - 60	1.45		4.15	0.55
61 - 100	2.25		6.60	0.85
101 - 180	3.90		8.30	1.45
181 - 300	5.20		8.30	2.50
301 - 600	5.20		8.30	4.65
601 - 1000	5.20		8.30	6.40
1001 - 1750	5.20		8.30	6.40
Over 1750	5.20		8.30	6.40
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
	1,958		4,802	11,232
OTHER DAMAGES				
Total area burned in all zones  (acres)	Upstream canyon bottom (dollars per acre)	Downstream overflow area (dollars per acre)	Debris storage and/or removal (dollars per acre)	Water from stream diversions (dollars per acre)
0 - 20	0.00	0.00	0.40	
21 - 40	0.00	0.00	1.80	
41 - 60	0.00	0.00	3.10	
61 - 100	0.00	0.00	4.90	
101 - 180	0.00	0.00	8.40	
181 - 300	0.00	0.00	14.50	
301 - 600	0.00	0.00	26.80	
601 - 1000	0.05	0.05	37.00	
1001 - 1750	0.05	0.05	37.00	
1751 - 3000	0.10	0.15	37.00	
3001 - 5000	0.15	0.20	37.00	
5001 - 9000	0.25	0.35	37.00	
9001 - 15,000	0.30	0.65	37.00	
Over 15,000	0.30	0.95	37.00	
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
	17,992	17,992	17,992	

<sup>1/</sup> Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION <sup>1/</sup>

Fire damage appraisal unit: Los Sauces Creek

Unit No. P-13

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20			0.70	0.25
21 - 40			3.15	1.25
41 - 60			5.40	2.15
61 - 100			8.60	5.40
101 - 180			14.80	5.90
181 - 300			19.50	7.70
301 - 600			19.50	7.70
601 - 1000			19.50	7.70
1001 - 1750			19.50	7.70
Over 1750				
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
			1,397	1,536
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20		0.00	0.10	
21 - 40		0.05	0.45	
41 - 60		0.05	0.80	
61 - 100		0.10	1.30	
101 - 180		0.15	2.20	
181 - 300		0.25	2.90	
301 - 600		0.45	2.90	
601 - 1000		0.85	2.90	
1001 - 1750		1.45	2.90	
Over 1750		3.15	2.90	
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
		2,933	2,933	

<sup>1/</sup> Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION 1/

*Fire damage appraisal unit: Rincon Creek*

*Unit No. P-14*

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20			1.50	0.15
21 - 40			6.80	0.65
41 - 60			11.70	1.15
61 - 100			18.50	1.80
101 - 180			23.40	3.15
181 - 300			23.40	5.40
301 - 600			23.40	6.90
601 - 1000			23.40	6.90
1001 - 1750			23.40	6.90
Over 1750			23.40	6.90
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
			4,332	4,403
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20		0.00	0.30	
21 - 40		0.00	1.45	
41 - 60		0.00	2.50	
61 - 100		0.00	3.95	
101 - 180		0.00	6.80	
181 - 300		0.05	11.70	
301 - 600		0.05	15.00	
601 - 1000		0.10	15.00	
1001 - 1750		0.15	15.00	
1751 - 3000		0.25	15.00	
3001 - 5000		0.45	15.00	
Over 5000		0.95	15.00	
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
		8,735	8,735	

1/ Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION 1/

Fire damage appraisal unit: Carpinteria Creek

Unit No. P-15

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20			0.50	0.05
21 - 40			2.35	0.15
41 - 60			4.00	0.20
61 - 100			6.40	0.35
101 - 180			11.00	0.60
181 - 300			18.90	1.05
301 - 600			24.10	1.90
601 - 1000			24.10	2.70
1001 - 1750			24.10	2.70
Over 1750			24.10	2.70
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
			4,672	3,456
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20		0.00	1.15	
21 - 40		0.00	5.20	
41 - 60		0.10	9.00	
61 - 100		0.20	14.20	
101 - 180		0.35	24.60	
181 - 300		0.55	42.20	
301 - 600		1.05	78.00	
601 - 1000		1.90	108.00	
1001 - 1750		3.20	108.00	
1751 - 3000		5.60	108.00	
3001 - 5000		9.40	108.00	
Over 5000		19.50	108.00	
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
		8,128	8,128	

1/ Based on 1945 watershed conditions and 1941 price levels.



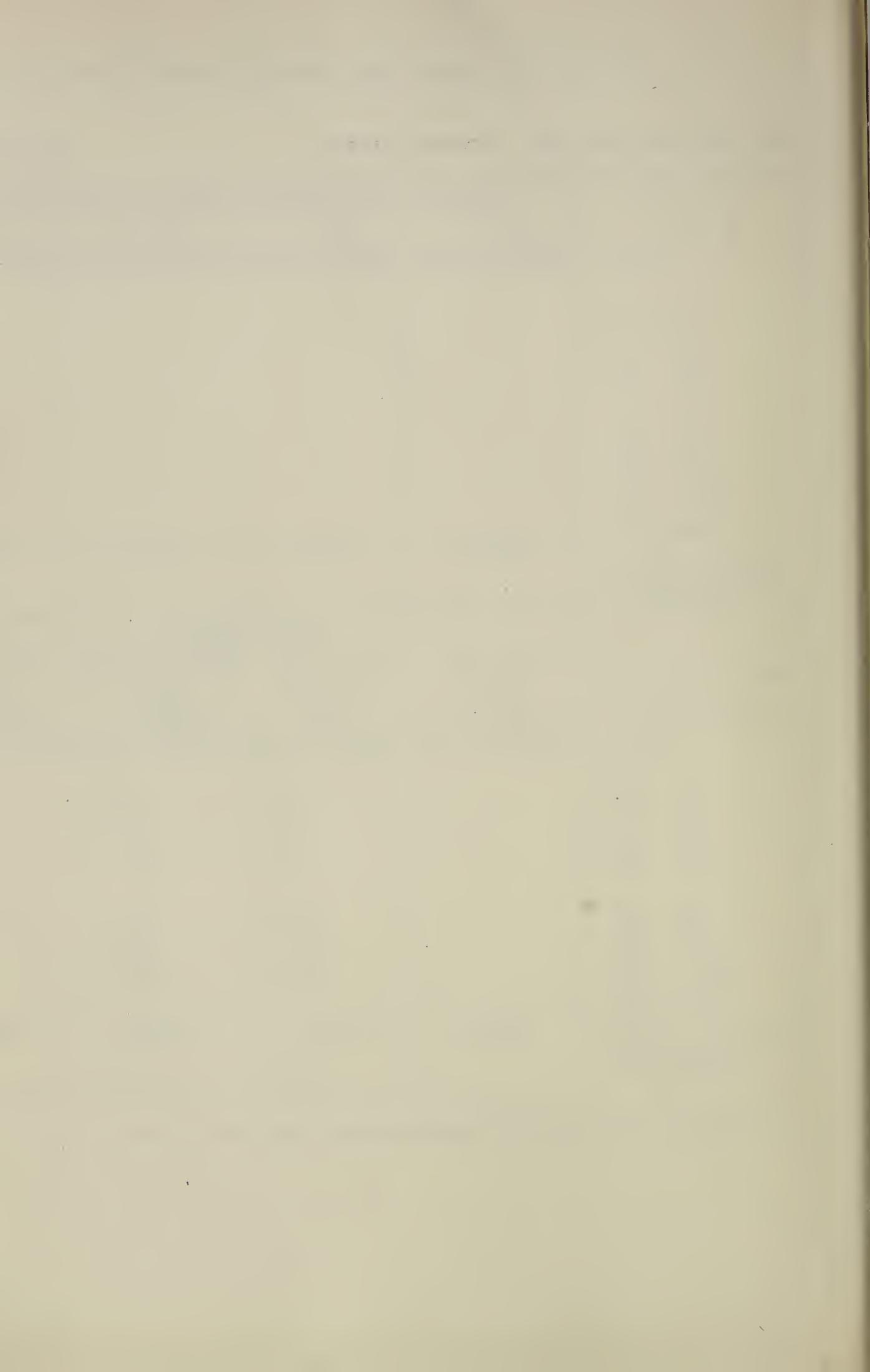
## EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION 1/

Fire damage appraisal unit: Franklin Canyon

Unit No. P-16

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20				12.10
21 - 40				55.50
41 - 60				96.00
61 - 100				152.00
101 - 180				192.00
181 - 300				192.00
301 - 600				192.00
601 - 1000				192.00
1001 - 1750				192.00
Over 1750				
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres) 1,217
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20		0.45	9.80	
21 - 40		2.00	45.00	
41 - 60		3.45	77.50	
61 - 100		5.40	123.00	
101 - 180		9.40	155.00	
181 - 300		16.20	155.00	
301 - 600		30.00	155.00	
601 - 1000		41.40	155.00	
1001 - 1750		41.40	155.00	
Over 1750				
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres) 1,217

1/ Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION 1/

*Fire damage appraisal unit:* Santa Monica Canyon

*Unit No.* P-17

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20			1.00	0.15
21 - 40			4.70	0.65
41 - 60			8.10	1.15
61 - 100			12.80	1.80
101 - 180			22.10	3.10
181 - 300			29.10	5.40
301 - 600			29.10	6.80
601 - 1000			29.10	6.80
1001 - 1750			29.10	
Over 1750				
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
			1,577	813
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20		0.05	2.50	
21 - 40		0.30	11.50	
41 - 60		0.55	19.80	
61 - 100		0.85	31.30	
101 - 180		1.50	54.50	
181 - 300		2.55	93.00	
301 - 600		4.70	119.00	
601 - 1000		8.50	119.00	
1001 - 1750		14.50	119.00	
Over 1750		25.80	119.00	
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
		2,390	2,390	

1/ Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION <sup>1/</sup>

Fire damage appraisal unit: Arroyo Parida

Unit No. P-18

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20			0.05	0.00
21 - 40			0.35	0.00
41 - 60			0.60	0.05
61 - 100			0.95	0.05
101 - 180			1.20	0.10
181 - 300			1.20	0.10
301 - 600			1.20	0.10
601 - 1000			1.20	0.10
1001 - 1750			1.20	
Over 1750				
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
			1,353	806
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20		0.05	3.30	
21 - 40		0.25	15.10	
41 - 60		0.40	26.10	
61 - 100		0.65	41.20	
101 - 180		1.10	71.50	
181 - 300		1.85	94.00	
301 - 600		3.45	94.00	
601 - 1000		6.25	94.00	
1001 - 1750		10.70	94.00	
Over 1750		17.20	94.00	
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
		2,159	2,159	

<sup>1/</sup> Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION <sup>1/</sup>

*Fire damage appraisal unit:* Toro Canyon

*Unit No.* P-19

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20			0.95	0.50
21 - 40			4.45	2.20
41 - 60			7.70	3.80
61 - 100			9.20	6.00
101 - 180			9.20	7.60
181 - 300			9.20	7.60
301 - 600			9.20	7.60
601 - 1000			9.20	
1001 - 1750				
Over 1750				
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
			919	410
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20		0.30	1.15	
21 - 40		1.50	5.20	
41 - 60		2.55	9.00	
61 - 100		4.05	14.20	
101 - 180		7.00	24.70	
181 - 300		12.10	32.50	
301 - 600		22.30	32.50	
601 - 1000		40.30	32.50	
1001 - 1750		68.00	32.50	
Over 1750				
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
		1,329	1,329	

<sup>1/</sup> Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION <sup>1/</sup>

*Fire damage appraisal unit: Ficay Canyon*

*Unit No. P-20*

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20			0.10	0.65
21 - 40			0.45	2.90
41 - 60			0.75	5.00
61 - 100			0.90	7.90
101 - 180			0.90	10.00
181 - 300			0.90	10.00
301 - 600				10.00
601 - 1000				
1001 - 1750				
Over 1750				
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
			256	378
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20		0.40	5.90	
21 - 40		1.75	27.00	
41 - 60		3.05	46.50	
61 - 100		4.80	73.50	
101 - 180		8.40	93.00	
181 - 300		14.30	93.00	
301 - 600		26.50	93.00	
601 - 1000		38.60	93.00	
1001 - 1750				
Over 1750				
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
		634	634	

<sup>1/</sup> Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION <sup>1/</sup>

Fire damage appraisal unit: Romero Canyon

Unit No. P-21

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20			1.05	0.15
21 - 40			4.80	0.75
41 - 60			8.20	1.30
61 - 100			9.90	2.00
101 - 180			9.90	3.50
181 - 300			9.90	4.60
301 - 600			9.90	4.60
601 - 1000				4.60
1001 - 1750				
Over 1750				
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
			384	870
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20		0.20	1.85	
21 - 40		0.85	8.60	
41 - 60		1.50	14.80	
61 - 100		2.40	23.40	
101 - 180		4.15	40.60	
181 - 300		7.10	69.50	
301 - 600		13.10	89.00	
601 - 1000		23.70	89.00	
1001 - 1750		37.80	89.00	
Over 1750				
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
		1,254	1,254	

1/ Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION <sup>1/</sup>

Fire damage appraisal unit: West Romero Canyon

Unit No. P-22

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20			1.60	0.10
21 - 40			7.40	0.45
41 - 60			12.80	0.75
61 - 100			15.40	1.20
101 - 180			15.40	1.50
181 - 300			15.40	1.50
301 - 600			15.40	
601 - 1000				
1001 - 1750				
Over 1750				
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
			475	218
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20		0.30	14.80	
21 - 40		1.35	68.50	
41 - 60		2.30	118.00	
61 - 100		3.60	186.00	
101 - 180		6.30	236.00	
181 - 300		10.80	236.00	
301 - 600		20.00	236.00	
601 - 1000		27.50	236.00	
1001 - 1750				
Over 1750				
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
		693	693	

1/ Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION <sup>1/</sup>

Fire damage appraisal unit: San Ysidro Canyon

Unit No. P-23

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20			3.70	0.10
21 - 40			17.10	0.40
41 - 60			29.30	0.70
61 - 100			35.40	1.10
101 - 180			35.40	1.85
181 - 300			35.40	2.50
301 - 600			35.40	2.50
601 - 1000				2.50
1001 - 1750				2.50
Over 1750				
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
			582	1,427
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20		0.45	8.20	
21 - 40		2.05	37.90	
41 - 60		3.55	65.50	
61 - 100		5.60	103.00	
101 - 180		9.70	179.00	
181 - 300		16.60	235.00	
301 - 600		30.70	235.00	
601 - 1000		55.50	235.00	
1001 - 1750		94.50	235.00	
Over 1750		142.00	235.00	
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
		2,009	2,009	

<sup>1/</sup> Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION <sup>1/</sup>

Fire damage appraisal unit: Oak Creek

Unit No. P-24

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20				2.40
21 - 40				11.10
41 - 60				19.20
61 - 100				23.00
101 - 180				23.00
181 - 300				23.00
301 - 600				
601 - 1000				
1001 - 1750				
Over 1750				
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres) 251
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20		3.75	31.20	
21 - 40		17.40	144.00	
41 - 60		29.90	248.00	
61 - 100		47.30	297.00	
101 - 180		82.00	297.00	
181 - 300		150.00	297.00	
301 - 600				
601 - 1000				
1001 - 1750				
Over 1750				
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres) 251

<sup>1/</sup> Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION <sup>1/</sup>

Fire damage appraisal unit: Hot Springs Canyon

Unit No. P-25

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20			0.10	65.00
21 - 40			0.40	300.00
41 - 60			0.70	517.00
61 - 100			0.85	621.00
101 - 180			0.85	621.00
181 - 300			0.85	
301 - 600			0.85	
601 - 1000				
1001 - 1750				
Over 1750				
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
			342	154
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20		0.45	14.30	
21 - 40		1.95	65.50	
41 - 60		3.40	113.00	
61 - 100		5.40	179.00	
101 - 180		9.30	226.00	
181 - 300		16.00	226.00	
301 - 600		33.70	226.00	
601 - 1000				
1001 - 1750				
Over 1750				
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
		496	496	

<sup>1/</sup> Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION <sup>1/</sup>

Fire damage appraisal unit: Cold Springs Canyon

Unit No. P-26

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20			1.45	0.15
21 - 40			6.60	0.60
41 - 60			11.50	1.05
61 - 100			18.10	1.65
101 - 180			22.90	2.10
181 - 300			22.90	2.10
301 - 600			22.90	2.10
601 - 1000			22.90	2.10
1001 - 1750			22.90	2.10
Over 1750				
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
			1,125	1,261
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20		0.20	8.80	
21 - 40		0.90	40.40	
41 - 60		1.55	69.50	
61 - 100		2.45	110.00	
101 - 180		4.30	191.00	
181 - 300		7.40	251.00	
301 - 600		13.60	251.00	
601 - 1000		24.60	251.00	
1001 - 1750		42.00	251.00	
Over 1750		74.50	251.00	
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
		2,386	2,386	

<sup>1/</sup> Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION <sup>1/</sup>

Fire damage appraisal unit: Sycamore Canyon

Unit No. P-27

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20				1.20
21 - 40				5.50
41 - 60				9.50
61 - 100				11.40
101 - 180				11.40
181 - 300				11.40
301 - 600				11.40
601 - 1000				11.40
1001 - 1750				
Over 1750				
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
				885
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20		0.35	27.30	
21 - 40		1.60	126.00	
41 - 60		2.80	217.00	
61 - 100		4.40	260.00	
101 - 180		7.60	260.00	
181 - 300		13.10	260.00	
301 - 600		24.20	260.00	
601 - 1000		49.20	260.00	
1001 - 1750				
Over 1750				
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
		885	885	

<sup>1/</sup> Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION 1/

Fire damage appraisal unit: Mission Canyon

Unit No. P-28

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20			7.50	0.45
21 - 40			34.70	2.00
41 - 60			60.00	3.45
61 - 100			94.50	5.50
101 - 180			120.00	9.50
181 - 300			120.00	16.20
301 - 600			120.00	20.70
601 - 1000			120.00	20.70
1001 - 1750			120.00	20.70
Over 1750			120.00	
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
			2,004	1,739
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20		0.00	10.20	
21 - 40		0.85	46.80	
41 - 60		1.50	81.00	
61 - 100		2.35	128.00	
101 - 180		4.10	221.00	
181 - 300		7.00	291.00	
301 - 600		13.00	291.00	
601 - 1000		23.40	291.00	
1001 - 1750		40.00	291.00	
1751 - 3000		69.50	291.00	
3001 - 5000		112.00	291.00	
Over 5000				
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
		3,743	3,743	

1/ Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION 1/

Fire damage appraisal unit: San Roque Canyon

Unit No. P-29

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20			0.10	0.00
21 - 40			0.55	0.05
41 - 60			0.95	0.05
61 - 100			1.45	0.10
101 - 180			1.85	0.20
181 - 300			1.85	0.25
301 - 600			1.85	0.25
601 - 1000			1.85	0.25
1001 - 1750			1.85	
Over 1750			1.85	
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
			2,146	946
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20		0.00	7.00	
21 - 40		0.10	32.30	
41 - 60		0.20	55.50	
61 - 100		0.30	88.00	
101 - 180		0.55	153.00	
181 - 300		0.90	200.00	
301 - 600		1.70	200.00	
601 - 1000		3.05	200.00	
1001 - 1750		5.20	200.00	
1751 - 3000		9.00	200.00	
3001 - 5000		12.00	200.00	
Over 5000				
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
		3,092	3,092	

1/ Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION <sup>1/</sup>

Fire damage appraisal unit: Atascadero Creek

Unit No. P-30

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20				0.20
21 - 40				0.90
41 - 60				1.55
61 - 100				1.85
101 - 180				1.85
181 - 300				1.85
301 - 600				1.85
601 - 1000				
1001 - 1750				
Over 1750				
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres) 472
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20		0.25	10.40	
21 - 40		1.10	48.10	
41 - 60		1.90	83.00	
61 - 100		2.95	99.50	
101 - 180		5.10	99.50	
181 - 300		8.80	99.50	
301 - 600		17.70	99.50	
601 - 1000				
1001 - 1750				
Over 1750				
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres) 472

1/ Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION <sup>1/</sup>

Fire damage appraisal unit: San Antonio Creek

Unit No. P-31

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20			3.50	0.10
21 - 40			16.10	0.40
41 - 60			27.70	0.70
61 - 100			33.30	1.10
101 - 180			33.30	1.95
181 - 300			33.30	2.55
301 - 600			33.30	2.55
601 - 1000			33.30	2.55
1001 - 1750				2.55
Over 1750				2.55
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
			998	1,958
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20		0.10	3.30	
21 - 40		0.45	15.30	
41 - 60		0.75	26.40	
61 - 100		1.20	41.60	
101 - 180		2.10	72.00	
181 - 300		3.55	95.00	
301 - 600		6.60	95.00	
601 - 1000		11.90	95.00	
1001 - 1750		20.30	95.00	
Over 1750		44.60	95.00	
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
		2,956	2,956	

<sup>1/</sup> Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION 1/

*Fire damage appraisal unit:* Maria Ygnacio Creek

*Unit No.* P-32

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20			1.30	0.50
21 - 40			6.10	2.15
41 - 60			10.50	3.70
61 - 100			16.60	5.90
101 - 180			21.00	10.20
181 - 300			21.00	13.40
301 - 600			21.00	13.40
601 - 1000			21.00	13.40
1001 - 1750			21.00	13.40
Over 1750				13.40
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
			1,188	2,234
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20		0.00	3.40	
21 - 40		0.30	15.60	
41 - 60		0.55	26.80	
61 - 100		0.90	42.40	
101 - 180		1.55	73.50	
181 - 300		2.60	96.50	
301 - 600		4.85	96.50	
601 - 1000		8.80	96.50	
1001 - 1750		15.00	96.50	
1751 - 3000		25.90	96.50	
3001 - 5000		38.20	96.50	
Over 5000				
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
		3,422	3,422	

1/ Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION 1

Fire damage appraisal unit: San Jose Creek

Unit No. P-33

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20			1.40	0.75
21 - 40			6.40	3.45
41 - 60			11.00	5.90
61 - 100			13.20	9.30
101 - 180			13.20	16.20
181 - 300			13.20	21.30
301 - 600			13.20	21.30
601 - 1000			13.20	21.30
1001 - 1750			13.20	21.30
Over 1750				21.30
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
			1,238	2,970
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20		0.00	6.30	
21 - 40		0.10	29.10	
41 - 60		0.15	50.00	
61 - 100		0.20	79.50	
101 - 180		0.40	138.00	
181 - 300		0.65	181.00	
301 - 600		1.20	181.00	
601 - 1000		2.20	181.00	
1001 - 1750		3.75	181.00	
1751 - 3000		6.50	181.00	
3001 - 5000		11.80	181.00	
Over 5000				
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
		4,208	4,208	

1/ Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION <sup>1/</sup>

Fire damage appraisal unit: San Pedro Canyon

Unit No. P-34

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20			0.40	0.10
21 - 40			1.90	0.40
41 - 60			3.30	0.65
61 - 100			5.20	1.05
101 - 180			6.60	1.85
181 - 300			6.60	3.15
301 - 600			6.60	4.05
601 - 1000			6.60	4.05
1001 - 1750				
Over 1750				
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
			787	979
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20		0.10	1.95	
21 - 40		0.40	8.90	
41 - 60		0.65	15.40	
61 - 100		1.05	24.30	
101 - 180		1.80	42.10	
181 - 300		3.05	72.00	
301 - 600		5.70	92.00	
601 - 1000		10.20	92.00	
1001 - 1750		17.50	92.00	
Over 1750		23.00	92.00	
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
		1,766	1,766	

<sup>1/</sup> Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION 1/

Fire damage appraisal unit: Bartlett Canyon

Unit No. P-35

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20			0.65	0.05
21 - 40			2.95	0.20
41 - 60			5.10	0.40
61 - 100			8.10	0.60
101 - 180			10.20	1.05
181 - 300			10.20	1.35
301 - 600			10.20	1.35
601 - 1000			10.20	1.35
1001 - 1750				
Over 1750				
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
			894	672
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20		0.00	1.65	
21 - 40		0.10	7.50	
41 - 60		0.15	13.00	
61 - 100		0.25	20.50	
101 - 180		0.45	35.50	
181 - 300		0.80	46.70	
301 - 600		1.45	46.70	
601 - 1000		2.60	46.70	
1001 - 1750		5.20	46.70	
Over 1750				
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
		1,566	1,566	

1/ Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION <sup>1/</sup>

Fire damage appraisal unit: Glen Anne Canyon

Unit No. P-36

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20			0.45	0.00
21 - 40			2.05	0.05
41 - 60			3.55	0.10
61 - 100			5.60	0.15
101 - 180			7.10	0.25
181 - 300			7.10	0.40
301 - 600			7.10	0.50
601 - 1000			7.10	0.50
1001 - 1750				
Over 1750				
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
			868	857
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20		0.05	0.70	
21 - 40		0.25	3.15	
41 - 60		0.40	5.40	
61 - 100		0.60	8.60	
101 - 180		1.05	14.90	
181 - 300		1.85	25.60	
301 - 600		3.40	32.60	
601 - 1000		6.10	32.60	
1001 - 1750		13.40	32.60	
Over 1750				
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
		1,725	1,725	

<sup>1/</sup> Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION <sup>1/</sup>

Fire damage appraisal unit: Elwood Canyon

Unit No. P-37

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20			0.10	0.00
21 - 40			0.50	0.00
41 - 60			0.85	0.05
61 - 100			1.05	0.05
101 - 180			1.05	0.05
181 - 300			1.05	0.10
301 - 600			1.05	0.10
601 - 1000				0.10
1001 - 1750				0.10
Over 1750				
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
			559	1,222
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20		0.00	0.40	
21 - 40		0.10	1.85	
41 - 60		0.20	3.20	
61 - 100		0.30	5.10	
101 - 180		0.55	8.80	
181 - 300		0.90	11.50	
301 - 600		1.70	11.50	
601 - 1000		3.05	11.50	
1001 - 1750		5.20	11.50	
Over 1750		7.00	11.50	
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
		1,781	1,781	

<sup>1/</sup> Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION <sup>1/</sup>

Fire damage appraisal unit: Winchester Canyon

Unit No. P-38

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20				0.15
21 - 40				0.80
41 - 60				1.35
61 - 100				1.65
101 - 180				1.65
181 - 300				1.65
301 - 600				1.65
601 - 1000				
1001 - 1750				
Over 1750				
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres) 577
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20		0.10	1.20	
21 - 40		0.35	5.60	
41 - 60		0.60	9.70	
61 - 100		0.95	11.60	
101 - 180		1.65	11.60	
181 - 300		2.85	11.60	
301 - 600		7.00	11.60	
601 - 1000				
1001 - 1750				
Over 1750				
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres) 577

<sup>1/</sup> Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION <sup>1/</sup>

Fire damage appraisal unit: Tecolate Canyon

Unit No. P-39

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20			4.10	0.05
21 - 40			18.80	0.25
41 - 60			32.40	0.40
61 - 100			38.90	0.65
101 - 180			38.90	1.15
181 - 300			38.90	1.50
301 - 600			38.90	1.50
601 - 1000			38.90	1.50
1001 - 1750				1.50
Over 1750				1.50
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
			866	1,811
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20		0.00	0.05	
21 - 40		0.00	0.20	
41 - 60		0.00	0.30	
61 - 100		0.00	0.50	
101 - 180		0.05	0.85	
181 - 300		0.05	1.10	
301 - 600		0.10	1.10	
601 - 1000		0.20	1.10	
1001 - 1750		0.30	1.10	
Over 1750		0.60	1.10	
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
		2,677	2,677	

<sup>1/</sup> Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION <sup>1/</sup>

Fire damage appraisal unit: Eagle Canyon

Unit No. P-40

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20			0.30	0.00
21 - 40			1.40	0.10
41 - 60			2.40	0.15
61 - 100			3.75	0.25
101 - 180			4.75	0.45
181 - 300			4.75	0.60
301 - 600			4.75	0.60
601 - 1000			4.75	
1001 - 1750			4.75	
Over 1750				
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
			1,427	454

OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20		0.00	0.05	
21 - 40		0.00	0.20	
41 - 60		0.05	0.35	
61 - 100		0.05	0.55	
101 - 180		0.10	0.95	
181 - 300		0.15	1.25	
301 - 600		0.30	1.25	
601 - 1000		0.50	1.25	
1001 - 1750		0.85	1.25	
Over 1750		1.20	1.25	
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
		1,881	1,881	

<sup>1/</sup> Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION 1

*Fire damage appraisal unit: Dos Pueblos Canyon*

*Unit No. P-41*

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20			0.25	0.00
21 - 40			1.10	0.05
41 - 60			1.95	0.05
61 - 100			3.05	0.10
101 - 180			3.85	0.15
181 - 300			3.85	0.25
301 - 600			3.85	0.35
601 - 1000			3.85	0.35
1001 - 1750			3.85	0.35
Over 1750				0.35
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
			1,310	2,739
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20		0.00	0.15	
21 - 40		0.00	0.80	
41 - 60		0.00	1.40	
61 - 100		0.00	2.15	
101 - 180		0.05	3.75	
181 - 300		0.05	6.40	
301 - 600		0.15	8.20	
601 - 1000		0.25	8.20	
1001 - 1750		0.40	8.20	
1751 - 3000		0.70	8.20	
3001 - 5000		1.20	8.20	
Over 5000				
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
		4,049	4,049	

1/ Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION <sup>1/</sup>

*Fire damage appraisal unit: Las Varas Canyon*

*Unit No. P-42*

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20				0.20
21 - 40				0.95
41 - 60				1.60
61 - 100				2.55
101 - 180				3.25
181 - 300				3.25
301 - 600				3.25
601 - 1000				3.25
1001 - 1750				3.25
Over 1750				
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
				1,233
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20		0.00	0.20	
21 - 40		0.05	0.85	
41 - 60		0.05	1.45	
61 - 100		0.05	2.30	
101 - 180		0.10	2.90	
181 - 300		0.20	2.90	
301 - 600		0.40	2.90	
601 - 1000		0.70	2.90	
1001 - 1750		1.10	2.90	
Over 1750				
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
		1,233	1,233	

1/ Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION <sup>1/</sup>

Fire damage appraisal unit: Gato Canyon

Unit No. P-43

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20			0.85	0.00
21 - 40			3.90	0.05
41 - 60			6.80	0.10
61 - 100			8.10	0.20
101 - 180			8.10	0.35
181 - 300			8.10	0.60
301 - 600			8.10	0.75
601 - 1000			8.10	0.75
1001 - 1750				0.75
Over 1750				
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
			851	1,114
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20		0.00	0.00	
21 - 40		0.00	0.00	
41 - 60		0.00	0.00	
61 - 100		0.00	0.00	
101 - 180		0.05	0.00	
181 - 300		0.05	0.00	
301 - 600		0.10	0.00	
601 - 1000		0.25	0.00	
1001 - 1750		0.40	0.00	
Over 1750		0.60	0.00	
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
		1,965	1,965	

<sup>1/</sup> Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION <sup>1/</sup>

Fire damage appraisal unit: Las Yeguas Canyon

Unit No. P-44

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20				0.00
21 - 40				0.00
41 - 60				0.00
61 - 100				0.00
101 - 180				0.00
181 - 300				0.00
301 - 600				0.00
601 - 1000				0.00
1001 - 1750				
Over 1750				
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres) 915
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20		0.00	0.00	
21 - 40		0.10	0.00	
41 - 60		0.20	0.00	
61 - 100		0.30	0.00	
101 - 180		0.50	0.00	
181 - 300		0.90	0.00	
301 - 600		1.65	0.00	
601 - 1000		3.45	0.00	
1001 - 1750				
Over 1750				
Maximum area for computing other damages	(acres)	(acres) 915	(acres) 915	(acres)

<sup>1/</sup> Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION 1/

Fire damage appraisal unit: Canada del Capitan

Unit No. P-45

Area burned by zones  (acres)	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (dollars per acre)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20			0.10	0.00
21 - 40			0.35	0.00
41 - 60			0.65	0.00
61 - 100			1.00	0.05
101 - 180			1.30	0.05
181 - 300			1.30	0.10
301 - 600			1.30	0.10
601 - 1000			1.30	0.10
1001 - 1750			1.30	0.10
Over 1750				0.10
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
			1,529	1,997
OTHER DAMAGES				
Total area burned in all zones  (acres)	Upstream canyon bottom (dollars per acre)	Downstream overflow area (dollars per acre)	Debris storage and/or removal (dollars per acre)	Water from stream diversions (dollars per acre)
0 - 20		0.00	0.00	
21 - 40		0.00	0.00	
41 - 60		0.00	0.00	
61 - 100		0.00	0.00	
101 - 180		0.00	0.00	
181 - 300		0.05	0.00	
301 - 600		0.05	0.00	
601 - 1000		0.10	0.00	
1001 - 1750		0.15	0.00	
1751 - 3000		0.25	0.00	
3001 - 5000		0.40	0.00	
Over 5000				
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
		3,526	3,526	

1/ Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION <sup>1/</sup>

Fire damage appraisal unit: Canada del Corral

Unit No. P-46

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20			0.00	0.00
21 - 40			0.00	0.00
41 - 60			0.00	0.00
61 - 100			0.00	0.00
101 - 180			0.00	0.00
181 - 300			0.00	0.00
301 - 600			0.00	0.00
601 - 1000			0.00	0.00
1001 - 1750			0.00	0.00
Over 1750			0.00	
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
			2,310	2,310
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20		0.00	0.05	
21 - 40		0.05	0.25	
41 - 60		0.05	0.45	
61 - 100		0.05	0.70	
101 - 180		0.10	1.25	
181 - 300		0.20	2.15	
301 - 600		0.40	2.75	
601 - 1000		0.70	2.75	
1001 - 1750		1.25	2.75	
1751 - 3000		2.10	2.75	
3001 - 5000		3.55	2.75	
Over 5000				
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
		3,904	3,904	

<sup>1/</sup> Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION 1

*Fire damage appraisal unit:* Canada del Refugio

*Unit No.* P-47

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (dollars per acre)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20			1.15	0.10
21 - 40			5.20	0.55
41 - 60			9.00	0.95
61 - 100			14.20	1.50
101 - 180			18.00	2.60
181 - 300			18.00	4.40
301 - 600			18.00	8.20
601 - 1000			18.00	11.30
1001 - 1750			18.00	11.30
Over 1750				11.30
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
			1,610	2,042
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20		0.00	0.10	
21 - 40		0.00	0.40	
41 - 60		0.00	0.75	
61 - 100		0.00	1.15	
101 - 180		0.00	2.00	
181 - 300		0.05	3.45	
301 - 600		0.05	6.40	
601 - 1000		0.15	8.80	
1001 - 1750		0.25	8.80	
1751 - 3000		0.40	8.80	
3001 - 5000		0.60	8.80	
Over 5000				
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
		3,652	3,652	

1/ Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION <sup>1/</sup>

Fire damage appraisal unit: Tajiwas Canyon

Unit No. P-48

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20			0.05	0.00
21 - 40			0.20	0.00
41 - 60			0.35	0.00
61 - 100			0.50	0.05
101 - 180			0.65	0.05
181 - 300			0.65	0.10
301 - 600			0.65	0.15
601 - 1000			0.65	0.15
1001 - 1750			0.65	0.15
Over 1750			0.65	
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
			1,830	1,031
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20		0.00	0.05	
21 - 40		0.00	0.25	
41 - 60		0.05	0.45	
61 - 100		0.05	0.75	
101 - 180		0.10	1.25	
181 - 300		0.15	2.15	
301 - 600		0.30	2.75	
601 - 1000		0.55	2.75	
1001 - 1750		0.95	2.75	
Over 1750		2.05	2.75	
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
		2,861	2,861	

<sup>1/</sup> Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION <sup>1/</sup>

Fire damage appraisal unit: Arroyo Quemado

Unit No.

P-49

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20			0.10	0.00
21 - 40			0.55	0.00
41 - 60			0.95	0.05
61 - 100			1.50	0.05
101 - 180			1.90	0.10
181 - 300			1.90	0.10
301 - 600			1.90	0.10
601 - 1000			1.90	0.10
1001 - 1750				
Over 1750				
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
			730	710
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20		0.05	0.05	
21 - 40		0.15	0.25	
41 - 60		0.25	0.45	
61 - 100		0.40	0.70	
101 - 180		0.70	1.25	
181 - 300		1.20	1.65	
301 - 600		2.25	1.65	
601 - 1000		4.05	1.65	
1001 - 1750		7.40	1.65	
Over 1750				
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
		1,440	1,440	.

<sup>1/</sup> Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION <sup>1/</sup>

*Fire damage appraisal unit: Arroyo Hondo*

*Unit No. P-50*

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20			0.00	0.00
21 - 40			0.00	0.00
41 - 60			0.00	0.00
61 - 100			0.00	0.00
101 - 180			0.00	0.00
181 - 300			0.00	0.00
301 - 600			0.00	0.00
601 - 1000			0.00	0.00
1001 - 1750			0.00	0.00
Over 1750			0.00	0.00
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
			864	1,453
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20		0.00	0.05	
21 - 40		0.00	0.25	
41 - 60		0.00	0.40	
61 - 100		0.00	0.65	
101 - 180		0.05	1.10	
181 - 300		0.05	1.90	
301 - 600		0.10	2.45	
601 - 1000		0.20	2.45	
1001 - 1750		0.35	2.45	
Over 1750		0.60	2.45	
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
		2,317	2,317	

<sup>1/</sup> Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION <sup>1/</sup>

Fire damage appraisal unit: Gaviota

Unit No. P-51

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (dollars per acre)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20			1.95	0.15
21 - 40			9.00	0.75
41 - 60			15.40	1.25
61 - 100			18.50	2.00
101 - 180			18.50	3.45
181 - 300			18.50	4.55
301 - 600			18.50	4.55
601 - 1000			18.50	4.55
1001 - 1750			18.50	4.55
Over 1750			18.50	4.55
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
			2,662	2,759
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20		0.00	0.05	
21 - 40		0.05	0.15	
41 - 60		0.05	0.25	
61 - 100		0.10	0.35	
101 - 180		0.20	0.65	
181 - 300		0.35	0.85	
301 - 600		0.60	0.85	
601 - 1000		1.10	0.85	
1001 - 1750		1.92	0.85	
1751 - 3000		2.50	0.85	
3001 - 5000		2.50	0.85	
Over 5000		2.50	0.85	
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
		5,421	5,421	

<sup>1/</sup> Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION <sup>1/</sup>

Fire damage appraisal unit: Juncal Reservoir

Unit No. P-52

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20		0.00	0.00	0.00
21 - 40		0.00	0.05	0.05
41 - 60		0.00	0.05	0.10
61 - 100		0.00	0.10	0.15
101 - 180		0.00	0.10	0.25
181 - 300		0.00	0.10	0.40
301 - 600		0.00	0.10	0.55
601 - 1000		0.00	0.10	0.55
1001 - 1750				0.55
Over 1750				0.55
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
	883	698	3,011	4,038
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20		0.00	1.70	
21 - 40		0.00	7.90	
41 - 60		0.00	13.60	
61 - 100		0.00	21.40	
101 - 180		0.00	37.20	
181 - 300		0.05	63.50	
301 - 600		0.05	118.00	
601 - 1000		0.10	163.00	
1001 - 1750		0.15	163.00	
1751 - 3000		0.25	163.00	
3001 - 5000		0.45	163.00	
Over 5000		1.00	163.00	
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
		8,630	8,630	

<sup>1/</sup> Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION <sup>1/</sup>

Fire damage appraisal unit: Gibralter Reservoir

Unit No. P-53

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20		0.00	0.00	0.00
21 - 40		0.10	0.05	0.05
41 - 60		0.15	0.05	0.05
61 - 100		0.25	0.10	0.10
101 - 180		0.40	0.15	0.15
181 - 300		0.70	0.15	0.25
301 - 600		0.85	0.15	0.30
601 - 1000		0.85	0.15	0.30
1001 - 1750		0.85	0.15	0.30
Over 1750		0.85	0.15	0.30
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
	25,331	14,342	46,191	41,044
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20	0.00	0.00	0.95	
21 - 40	0.00	0.00	4.35	
41 - 60	0.00	0.00	7.50	
61 - 100	0.00	0.00	11.90	
101 - 180	0.00	0.00	20.60	
181 - 300	0.00	0.00	35.30	
301 - 600	0.00	0.00	65.50	
601 - 1000	0.00	0.00	90.00	
1001 - 1750	0.00	0.00	90.00	
1751 - 3000	0.00	0.00	90.00	
3001 - 5000	0.00	0.00	90.00	
5001 - 9000	0.00	0.00	90.00	
9001 - 15,000	0.00	0.05	90.00	
15,001 - 25,000	0.00	0.05	90.00	
25,001 - 50,000	0.00	0.15	90.00	
50,001 - 100,000	0.00	0.35	90.00	
100,001 - 200,000	0.05	0.65	90.00	
Over 200,000				
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
	126,908	126,908	126,908	

<sup>1/</sup> Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION <sup>1/</sup>

Fire damage appraisal unit : Lower Santa Ynez Canyon

Unit No. P-54

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres) (dollars per acre)	Zone 2 (acres) (dollars per acre)	Zone 4 (acres) (dollars per acre)	Zone 5 (acres) (dollars per acre)
0 - 20	0.05	0.20	0.00	0.00
21 - 40	0.25	0.85	0.05	0.00
41 - 60	0.45	1.50	0.10	0.00
61 - 100	0.75	2.35	0.15	0.05
101 - 180	1.30	4.05	0.25	0.05
181 - 300	2.20	5.30	0.45	0.10
301 - 600	4.10	5.30	0.80	0.20
601 - 1000	5.60	5.30	1.10	0.40
1001 - 1750	5.60	5.30	1.10	0.50
Over 1750	5.60	5.30	1.10	0.50
Maximum area for computing damage on slopes	(acres) 23,680	(acres) 28,512	(acres) 58,189	(acres) 36,275
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20		0.00	0.05	
21 - 40		0.00	0.15	
41 - 60		0.00	0.25	
61 - 100		0.00	0.45	
101 - 180		0.00	0.75	
181 - 300		0.00	1.30	
301 - 600		0.00	2.40	
601 - 1000		0.00	4.30	
1001 - 1750		0.00	5.50	
1751 - 3000		0.00	5.50	
3001 - 5000		0.00	5.50	
5001 - 9000		0.00	5.50	
9001 - 15,000		0.00	5.50	
15,001 - 25,000		0.00	5.50	
25,001 - 50,000		0.05	5.50	
50,001 - 100,000		0.10	5.50	
100,001 - 200,000		0.20	5.50	
Over 200,000				
Maximum area for computing other damages	(acres)	(acres) 146,656	(acres) 146,656	(acres)

<sup>1/</sup> Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION <sup>1/</sup>

Fire damage appraisal unit: Ballard Creek

Unit No. P-55

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20		0.05	0.10	
21 - 40		0.20	0.45	
41 - 60		0.30	0.75	
61 - 100		0.50	1.20	
101 - 180		0.90	2.10	
181 - 300		1.50	2.75	
301 - 600		2.80	2.75	
601 - 1000		3.85	2.75	
1001 - 1750		3.85	2.75	
Over 1750		3.85	2.75	
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
	5,498	11,624		
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20			0.00	0.05
21 - 40			0.00	0.15
41 - 60			0.00	0.25
61 - 100			0.00	0.35
101 - 180			0.00	0.65
181 - 300			0.00	1.10
301 - 600			0.00	2.05
601 - 1000			0.05	3.70
1001 - 1750			0.10	4.70
1751 - 3000			0.15	4.70
3001 - 5000			0.20	4.70
5001 - 9000			0.40	4.70
9001 - 15,000			0.65	4.70
Over 15,000			0.95	4.70
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
		17,122	17,122	

<sup>1/</sup> Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION <sup>1/</sup>

Fire damage appraisal unit: Santa Aqueda Creek

Unit No. P-56

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20			0.05	0.05
21 - 40			0.15	0.15
41 - 60			0.25	0.25
61 - 100			0.35	0.40
101 - 180			0.65	0.70
181 - 300			1.10	1.20
301 - 600			2.05	2.25
601 - 1000			2.85	4.05
1001 - 1750			2.85	5.20
Over 1750			2.85	5.20
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
			10,668	7,545
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20		0.00	0.00	
21 - 40		0.00	0.10	
41 - 60		0.00	0.20	
61 - 100		0.00	0.30	
101 - 180		0.00	0.55	
181 - 300		0.00	0.90	
301 - 600		0.00	1.70	
601 - 1000		0.00	3.05	
1001 - 1750		0.00	3.90	
1751 - 3000		0.00	3.90	
3001 - 5000		0.05	3.90	
5001 - 9000		0.10	3.90	
9001 - 15,000		0.15	3.90	
Over 15,000		0.20	3.90	
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
		18,213	18,213	

<sup>1/</sup> Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION<sup>1/</sup>

Fire damage appraisal unit: La Zaca Creek

Unit No. P-57

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20	0.05		0.00	0.00
21 - 40	0.15		0.00	0.05
41 - 60	0.20		0.00	0.05
61 - 100	0.35		0.00	0.10
101 - 180	0.60		0.00	0.15
181 - 300	1.00		0.00	0.25
301 - 600	1.90		0.05	0.50
601 - 1000	2.60		0.05	0.90
1001 - 1750	2.60		0.05	1.15
Over 1750	2.60		0.05	1.15
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
	4,073		2,932	6,003
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20		0.00	0.05	
21 - 40		0.00	0.20	
41 - 60		0.00	0.35	
61 - 100		0.00	0.55	
101 - 180		0.00	0.95	
181 - 300		0.00	1.60	
301 - 600		0.00	3.00	
601 - 1000		0.00	5.40	
1001 - 1750		0.05	6.90	
1751 - 3000		0.10	6.90	
3001 - 5000		0.20	6.90	
5001 - 9000		0.35	6.90	
9001 - 15,000		0.70	6.90	
Over 15,000				
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
		13,008	13,008	

<sup>1/</sup> Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION 1/

Fire damage appraisal unit: Sisquoc River

Unit No. P-58

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20	0.05	0.05	0.05	0.00
21 - 40	0.15	0.20	0.20	0.05
41 - 60	0.20	0.35	0.35	0.05
61 - 100	0.35	0.50	0.60	0.10
101 - 180	0.60	0.90	1.00	0.15
181 - 300	1.05	1.20	1.35	0.30
301 - 600	1.90	1.20	1.35	0.50
601 - 1000	2.65	1.20	1.35	0.70
1001 - 1750	2.65	1.20	1.35	0.70
Over 1750	2.65	1.20	1.35	0.70
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
	45,120	45,389	85,528	93,997
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20	0.00	0.00	0.05	
21 - 40	0.00	0.00	0.30	
41 - 60	0.00	0.00	0.55	
61 - 100	0.00	0.00	0.85	
101 - 180	0.00	0.00	1.45	
181 - 300	0.00	0.00	2.50	
301 - 600	0.00	0.00	4.65	
601 - 1000	0.00	0.00	6.40	
1001 - 1750	0.00	0.00	6.40	
1751 - 3000	0.00	0.00	6.40	
3001 - 5000	0.00	0.00	6.40	
5001 - 9000	0.00	0.00	6.40	
9001 - 15,000	0.00	0.05	6.40	
15,001 - 25,000	0.00	0.05	6.40	
25,001 - 50,000	0.00	0.20	6.40	
50,001 - 100,000	0.00	0.70	6.40	
100,001 - 200,000	0.00	1.75	6.40	
Over 200,000	0.00	3.40	6.40	
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
	270,034	270,034	270,034	

1/ Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION <sup>1/</sup>

Fire damage appraisal unit :Upper Cuyama River

Unit No. P-59

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20	0.00	0.05	0.05	0.00
21 - 40	0.00	0.15	0.25	0.00
41 - 60	0.00	0.30	0.40	0.05
61 - 100	0.05	0.45	0.65	0.05
101 - 180	0.05	0.75	1.15	0.10
181 - 300	0.10	1.30	2.00	0.20
301 - 600	0.15	1.65	3.65	0.35
601 - 1000	0.25	1.65	5.00	0.65
1001 - 1750	0.30	1.65	5.00	1.15
Over 1750	0.30	1.65	5.00	1.45
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
	65,815	28,626	11,287	12,573
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20	0.00		0.00	
21 - 40	0.00		0.00	
41 - 60	0.00		0.00	
61 - 100	0.00		0.05	
101 - 180	0.00		0.05	
181 - 300	0.00		0.10	
301 - 600	0.00		0.20	
601 - 1000	0.00		0.35	
1001 - 1750	0.00		0.60	
1751 - 3000	0.00		0.80	
3001 - 5000	0.00		0.80	
5001 - 9000	0.00		0.80	
9001 - 15,000	0.00		0.80	
15,001 - 25,000	0.00		0.80	
25,001 - 50,000	0.00		0.80	
50,001 - 100,000	0.05		0.80	
100,001 - 200,000	0.05		0.80	
Over 200,000				
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
	118,301		118,301	

<sup>1/</sup> Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION 1/

Fire damage appraisal unit : Cuyama Valley

Unit No. P-60

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres) (dollars per acre)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20	0.00	0.00		
21 - 40	0.10	0.05		
41 - 60	0.15	0.10		
61 - 100	0.25	0.20		
101 - 180	0.40	0.30		
181 - 300	0.70	0.55		
301 - 600	0.85	1.00		
601 - 1000	0.85	1.80		
1001 - 1750	0.85	2.25		
Over 1750	0.85	2.25		
Maximum area for computing damage on slopes	(acres) 38,880	(acres) 83,402	(acres)	(acres)
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom (acres) (dollars per acre)	Downstream overflow area (dollars per acre)	Debris storage and/or removal (dollars per acre)	Water from stream diversions (dollars per acre)
0 - 20	0.00		0.00	
21 - 40	0.00		0.00	
41 - 60	0.00		0.05	
61 - 100	0.00		0.05	
101 - 180	0.00		0.10	
181 - 300	0.00		0.15	
301 - 600	0.00		0.25	
601 - 1000	0.00		0.50	
1001 - 1750	0.00		0.65	
1751 - 3000	0.00		0.65	
3001 - 5000	0.00		0.65	
5001 - 9000	0.00		0.65	
9001 - 15,000	0.00		0.65	
15,001 - 25,000	0.00		0.65	
25,001 - 50,000	0.05		0.65	
50,001 - 100,000	0.05		0.65	
100,001 - 200,000	0.10		0.65	
Over 200,000				
Maximum area for computing other damages	(acres) 122,282	(acres)	(acres) 122,282	(acres)

1/ Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION <sup>1/</sup>

*Fire damage appraisal unit:* Lower Guyama River

*Unit No.* P-61

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20		0.00	0.10	0.00
21 - 40		0.05	0.35	0.10
41 - 60		0.05	0.60	0.15
61 - 100		0.10	0.95	0.25
101 - 180		0.15	1.20	0.40
181 - 300		0.25	1.20	0.55
301 - 600		0.30	1.20	0.55
601 - 1000		0.30	1.20	0.55
1001 - 1750		0.30	1.20	0.55
Over 1750		0.30	1.20	0.55
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
	20,832	19,130	23,773	30,387
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20		0.00		0.00
21 - 40		0.00		0.05
41 - 60		0.00		0.05
61 - 100		0.00		0.10
101 - 180		0.00		0.20
181 - 300		0.00		0.35
301 - 600		0.00		0.60
601 - 1000		0.00		0.85
1001 - 1750		0.00		0.85
1751 - 3000		0.00		0.85
3001 - 5000		0.05		0.85
5001 - 9000		0.05		0.85
9001 - 15,000		0.10		0.85
15,001 - 25,000		0.20		0.85
25,001 - 50,000		0.35		0.85
Over 50,000		0.85		0.85
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
	94,122		94,122	

<sup>1/</sup> Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION <sup>1/</sup>

*Fire damage appraisal unit:* Alamo Creek

*Unit No.* P-62

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20	0.00	0.00	0.05	0.00
21 - 40	0.00	0.10	0.20	0.00
41 - 60	0.00	0.20	0.35	0.00
61 - 100	0.00	0.30	0.55	0.00
101 - 180	0.05	0.35	0.95	0.05
181 - 300	0.05	0.35	1.25	0.05
301 - 600	0.10	0.35	1.25	0.10
601 - 1000	0.10	0.35	1.25	0.15
1001 - 1750	0.10	0.35	1.25	0.15
Over 1750	0.10	0.35	1.25	0.15
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
	7,814	5,760	11,243	28,960
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20	0.00	0.00	0.00	
21 - 40	0.00	0.00	0.10	
41 - 60	0.00	0.00	0.20	
61 - 100	0.00	0.00	0.30	
101 - 180	0.00	0.00	0.50	
181 - 300	0.00	0.00	0.90	
301 - 600	0.00	0.00	1.65	
601 - 1000	0.00	0.00	2.25	
1001 - 1750	0.00	0.00	2.25	
1751 - 3000	0.00	0.00	2.25	
3001 - 5000	0.00	0.05	2.25	
5001 - 9000	0.00	0.10	2.25	
9001 - 15,000	0.05	0.15	2.25	
15,001 - 25,000	0.10	0.35	2.25	
25,001 - 50,000	0.20	0.65	2.25	
Over 50,000	0.30	0.95	2.25	
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
	53,777	53,777	53,777	

<sup>1/</sup> Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION <sup>1/</sup>

*Fire damage appraisal unit:* Huasna River

Unit No. P-63

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20	0.00		0.10	0.00
21 - 40	0.00		0.45	0.00
41 - 60	0.05		0.80	0.00
61 - 100	0.05		1.25	0.05
101 - 180	0.10		1.60	0.05
181 - 300	0.20		1.60	0.10
301 - 600	0.25		1.60	0.10
601 - 1000	0.25		1.60	0.10
1001 - 1750	0.25		1.60	0.10
Over 1750	0.25		1.60	0.10
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
	8,698		20,117	39,373

OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20	0.00	0.00	0.00	
21 - 40	0.00	0.00	0.10	
41 - 60	0.00	0.00	0.15	
61 - 100	0.00	0.00	0.20	
101 - 180	0.00	0.00	0.35	
181 - 300	0.00	0.00	0.65	
301 - 600	0.00	0.00	1.15	
601 - 1000	0.00	0.00	1.60	
1001 - 1750	0.00	0.00	1.60	
1751 - 3000	0.00	0.00	1.60	
3001 - 5000	0.00	0.00	1.60	
5001 - 9000	0.05	0.05	1.60	
9001 - 15,000	0.05	0.10	1.60	
15,001 - 25,000	0.10	0.20	1.60	
25,001 - 50,000	0.20	0.40	1.60	
Over 50,000	0.40	0.75	1.60	
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
	68,188	68,188	68,188	

<sup>1/</sup> Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION <sup>1/</sup>

Fire damage appraisal unit: Arroyo Grande Creek

Unit No. P-64

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (dollars per acre)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20	0.40		2.30	0.00
21 - 40	1.75		10.60	0.05
41 - 60	3.05		18.20	0.10
61 - 100	4.85		21.80	0.15
101 - 180	6.10		21.80	0.25
181 - 300	6.10		21.80	0.40
301 - 600	6.10		21.80	0.50
601 - 1000			21.80	0.50
1001 - 1750			21.80	0.50
Over 1750			21.80	0.50
Maximum area for computing damage on slopes	(acres) 511	(acres)	(acres) 2,102	(acres) 8,634
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20	0.00	0.00	0.35	
21 - 40	0.00	0.00	1.60	
41 - 60	0.00	0.00	2.75	
61 - 100	0.00	0.00	4.30	
101 - 180	0.00	0.05	7.50	
181 - 300	0.00	0.05	9.80	
301 - 600	0.00	0.10	9.80	
601 - 1000	0.00	0.20	9.80	
1001 - 1750	0.05	0.40	9.80	
1751 - 3000	0.05	0.65	9.80	
3001 - 5000	0.10	1.10	9.80	
5001 - 9000	0.20	1.95	9.80	
9001 - 15,000	0.30	3.20	9.80	
Over 15,000				
Maximum area for computing other damages	(acres) 11,247	(acres) 11,247	(acres) 11,247	(acres)

<sup>1/</sup> Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION <sup>1/</sup>

*Fire damage appraisal unit:* Lopez Canyon

*Unit No.* P-65

Area burned by zones  (acres)	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (dollars per acre)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20	0.05	0.50	0.65	0.00
21 - 40	0.15	2.25	3.10	0.05
41 - 60	0.25	3.10	5.30	0.10
61 - 100	0.40	3.10	6.40	0.15
101 - 180	0.50	3.10	6.40	0.20
181 - 300	0.50	3.10	6.40	0.40
301 - 600	0.50	3.10	6.40	0.50
601 - 1000	0.50	3.10	6.40	0.50
1001 - 1750	0.50	3.10	6.40	0.50
Over 1750	0.50	3.10	6.40	0.50
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
	5,722	2,330	2,336	8,960
OTHER DAMAGES				
Total area burned in all zones  (acres)	Upstream canyon bottom (dollars per acre)	Downstream overflow area (dollars per acre)	Debris storage and/or removal (dollars per acre)	Water from stream diversions (dollars per acre)
0 - 20	0.00	0.00	0.35	
21 - 40	0.00	0.00	1.65	
41 - 60	0.00	0.00	2.85	
61 - 100	0.00	0.00	4.55	
101 - 180	0.00	0.00	7.80	
181 - 300	0.00	0.00	10.30	
301 - 600	0.00	0.05	10.30	
601 - 1000	0.00	0.05	10.30	
1001 - 1750	0.05	0.10	10.30	
1751 - 3000	0.10	0.25	10.30	
3001 - 5000	0.15	0.45	10.30	
5001 - 9000	0.35	0.95	10.30	
9001 - 15,000	0.60	1.75	10.30	
Over 15,000	1.00	2.90	10.30	
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
	19,348	19,348	19,348	

<sup>1/</sup> Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION 1

Fire damage appraisal unit: Pismo Creek

Unit No. P-66

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20		0.00	7.80	0.00
21 - 40		0.00	36.00	0.00
41 - 60		0.00	49.60	0.05
61 - 100		0.00	49.60	0.05
101 - 180		0.00	49.60	0.10
181 - 300		0.00	49.60	0.15
301 - 600		0.00		0.20
601 - 1000				0.20
1001 - 1750				0.20
Over 1750				0.20
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
	333		262	4,121
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20		0.00	0.25	
21 - 40		0.00	1.05	
41 - 60		0.05	1.80	
61 - 100		0.05	2.85	
101 - 180		0.10	4.95	
181 - 300		0.15	6.50	
301 - 600		0.25	6.50	
601 - 1000		0.45	6.50	
1001 - 1750		0.80	6.50	
1751 - 3000		1.40	6.50	
3001 - 5000		2.80	6.50	
Over 5000				
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
		4,716	4,716	

1/ Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION <sup>1/</sup>

*Fire damage appraisal unit:* San Luis Obispo Creek

*Unit No.* P-67

Area burned by zones  (acres)	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (dollars per acre)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
	0 - 20	0.00	0.00	0.95
21 - 40	0.00	0.00	4.40	0.50
41 - 60	0.00	0.00	7.60	0.85
61 - 100	0.00	0.00	12.00	1.35
101 - 180	0.00	0.00	15.10	2.35
181 - 300	0.00	0.00	15.10	4.05
301 - 600	0.00	0.00	15.10	5.20
601 - 1000		0.00	15.10	5.20
1001 - 1750				5.20
Over 1750				5.20
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
	544	614	993	5,246
OTHER DAMAGES				
Total area burned in all zones  (acres)	Upstream canyon bottom (dollars per acre)	Downstream overflow area (dollars per acre)	Debris storage and/or removal (dollars per acre)	Water from stream diversions (dollars per acre)
0 - 20	0.00	0.00	0.25	
21 - 40	0.00	0.00	1.25	
41 - 60	0.05	0.10	2.15	
61 - 100	0.05	0.20	3.40	
101 - 180	0.10	0.30	5.90	
181 - 300	0.15	0.55	10.10	
301 - 600	0.25	1.00	12.80	
601 - 1000	0.45	1.80	12.80	
1001 - 1750	0.75	3.10	12.80	
1751 - 3000	1.35	5.40	12.80	
3001 - 5000	2.25	9.00	12.80	
Over 5000	4.25	17.10	12.80	
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
	7,397	7,397	7,397	7,397

<sup>1/</sup> Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION 1

*Fire damage appraisal unit:* San Bernardo Creek and Chorro Creek

*Unit No.* P-68

Area burned by zones  (acres)	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (dollars per acre)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20				0.05
21 - 40				0.20
41 - 60				0.35
61 - 100				0.50
101 - 180				0.90
181 - 300				1.55
301 - 600				1.95
601 - 1000				1.95
1001 - 1750				1.95
Over 1750				1.95
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
				8,123
OTHER DAMAGES				
Total area burned in all zones  (acres)	Upstream canyon bottom (dollars per acre)	Downstream overflow area (dollars per acre)	Debris storage and/or removal (dollars per acre)	Water from stream diversions (dollars per acre)
0 - 20		0.00	0.00	
21 - 40		0.00	0.10	
41 - 60		0.00	0.20	
61 - 100		0.00	0.30	
101 - 180		0.00	0.50	
181 - 300		0.05	0.90	
301 - 600		0.05	1.10	
601 - 1000		0.10	1.10	
1001 - 1750		0.20	1.10	
1751 - 3000		0.35	1.10	
3001 - 5000		1.20	1.10	
Over 5000		1.20	1.10	
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
		8,123	8,123	

1/ Based on 1945 watershed conditions and 1941 price levels.



EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION 1/

*Fire damage appraisal unit:* Morro Creek

*Unit No.* P-69

Area burned by zones  (acres)	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (dollars per acre)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20	0.50			0.00
21 - 40	2.20			0.00
41 - 60	3.85			0.00
61 - 100	6.00			0.00
101 - 180	7.60			0.00
181 - 300	7.60			0.00
301 - 600	7.60			0.00
601 - 1000	7.60			0.00
1001 - 1750	7.60			0.00
Over 1750	7.60			0.00
Maximum area for computing damage on slopes	(acres) 3,091	(acres)	(acres)	(acres) 5,370
OTHER DAMAGES				
Total area burned in all zones  (acres)	Upstream canyon bottom  (dollars per acre)	Downstream overflow area  (dollars per acre)	Debris storage and/or removal  (dollars per acre)	Water from stream diversions  (dollars per acre)
0 - 20		0.00	0.05	
21 - 40		0.00	0.25	
41 - 60		0.00	0.40	
61 - 100		0.05	0.65	
101 - 180		0.05	1.15	
181 - 300		0.10	1.55	
301 - 600		0.15	1.55	
601 - 1000		0.30	1.55	
1001 - 1750		0.50	1.55	
1751 - 3000		0.85	1.55	
3001 - 5000		1.45	1.55	
Over 5000		3.20	1.55	
Maximum area for computing other damages	(acres)	(acres) 8,461	(acres) 8,461	(acres)

1/ Based on 1945 watershed conditions and 1941 price levels.



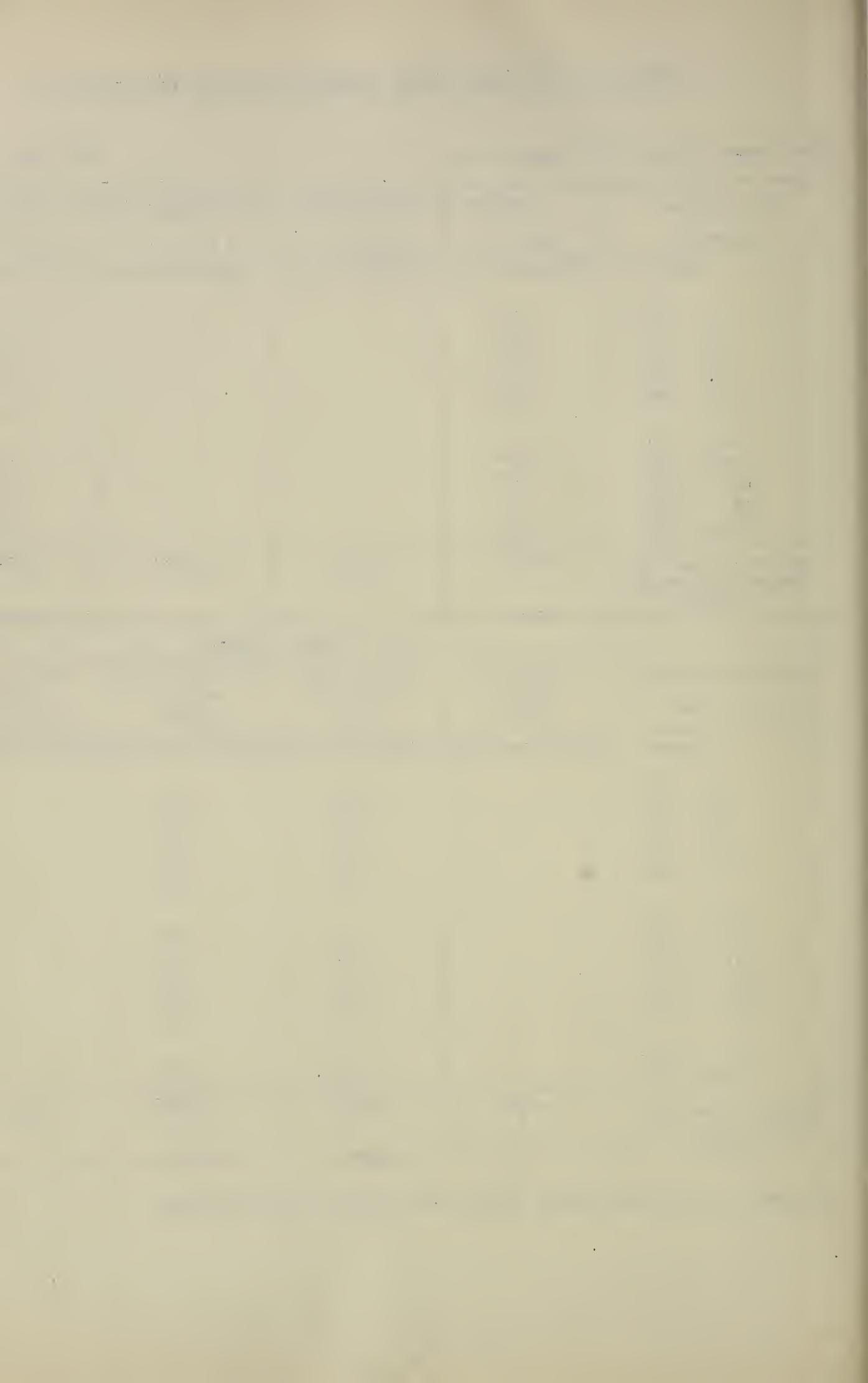
EXPECTED FIRE DAMAGE FROM INCREASED RUN-OFF AND EROSION 1/

*Fire damage appraisal unit:* Toro Creek

*Unit No.* P-70

Area burned by zones	DAMAGE TO IMPROVEMENTS ON UPSTREAM SLOPES BURNED			
	Zone 1 (acres)	Zone 2 (dollars per acre)	Zone 4 (dollars per acre)	Zone 5 (dollars per acre)
0 - 20		0.10		0.15
21 - 40		0.55		0.60
41 - 60		0.95		1.05
61 - 100		1.50		1.65
101 - 180		1.95		2.90
181 - 300		1.95		5.00
301 - 600		1.95		6.40
601 - 1000		1.95		6.40
1001 - 1750		1.95		6.40
Over 1750		1.95		6.40
Maximum area for computing damage on slopes	(acres)	(acres)	(acres)	(acres)
	1,991			4,154
OTHER DAMAGES				
Total area burned in all zones	Upstream canyon bottom	Downstream overflow area	Debris storage and/or removal	Water from stream diversions
(acres)	(dollars per acre)	(dollars per acre)	(dollars per acre)	(dollars per acre)
0 - 20		0.00	0.05	
21 - 40		0.00	0.25	
41 - 60		0.00	0.45	
61 - 100		0.00	0.70	
101 - 180		0.00	1.25	
181 - 300		0.05	1.65	
301 - 600		0.10	1.65	
601 - 1000		0.15	1.65	
1001 - 1750		0.25	1.65	
1751 - 3000		0.40	1.65	
3001 - 5000		0.70	1.65	
Over 5000		1.10	1.65	
Maximum area for computing other damages	(acres)	(acres)	(acres)	(acres)
		6,145	6,145	

1/ Based on 1945 watershed conditions and 1941 price levels.



FIRE DAMAGE APPRAISAL UNIT MAPS

Los Padres National Forest

FIRE DAMAGE APPRAISAL UNIT MAPS

<u>No.</u>	<u>Name</u>	<u>No.</u>	<u>Name</u>
P-1	Piru Creek	P-36	Glen Anne Canyon
2	Hopper Canyon	37	Elwood Canyon
3	Fairview	38	Winchester Canyon
4	Pole Canyon	39	Tecolate Canyon
5	Sespe Creek	40	Eagle Canyon
6	Lower Sespe Creek	41	Dos Pueblos Canyon
7	Boulder Creek	42	Las Varas Canyon
8	Santa Paula Creek	43	Gato Canyon
9	San Antonio Creek	44	Las Yeguas Canyon
10	Matilija Creek	45	Canada del Capitan
11	Kennedy Canyon	46	Canada del Corral
12	Coyote Creek	47	Canada del Refugio
13	Los Sauces Creek	48	Tajiquas Creek
14	Rincon Creek	49	Arroyo Quemado
15	Carpinteria Creek	50	Arroyo Hondo
16	Franklin Canyon	51	Gaviota
17	Santa Monica Canyon	52	Juncal Reservoir
18	Arroyo Parida	53	Gibraltar Reservoir
19	Toro Canyon	54	Lower Santa Ynez Canyon
20	Ficay Canyon	55	Ballard Creek
21	Romero Canyon	56	Santa Aqueda Creek
22	West Romero Canyon	57	La Zaca Creek
23	San Ysidro Canyon	58	Sisquoc River
24	Oak Creek	59	Upper Cuyama River
25	Hot Springs Canyon	60	Cuyama Valley
26	Cold Springs Canyon	61	Lower Cuyama River
27	Sycamore Canyon	62	Alamo Creek
28	Mission Canyon	63	Huasna River
29	San Roque Canyon	64	Arroyo Grande Creek
30	Atascadero Creek	65	Lopez Canyon
31	San Antonio Creek	66	Pismo Creek
32	Maria Ygnacio Creek	67	San Luis Obispo Creek
33	San Jose Creek	68	San Bernardo and Chorro Creek
34	San Pedro Canyon	69	Morro Creek
35	Bartlett Canyon	70	Toro Creek



## FIRE DAMAGE APPRAISAL UNIT MAPS

<u>No.</u>	<u>Name</u>	<u>No.</u>	<u>Name</u>
P-1	Piru Creek	P-36	Glen Anne Canyon
2	Hopper Canyon	37	Elwood Canyon
3	Fairview	38	Winchester Canyon
4	Pole Canyon	39	Tecolate Canyon
5	Sespe Creek	40	Eagle Canyon
6	Lower Sespe Creek	41	Dos Pueblos Canyon
7	Boulder Creek	42	Las Varas Canyon
8	Santa Paula Creek	43	Gato Canyon
9	San Antonio Creek	44	Las Yeguas Canyon
10	Matilija Creek	45	Canada del Capitan
11	Kennedy Canyon	46	Canada del Corral
12	Coyote Creek	47	Canada del Refugio
13	Los Sauces Creek	48	Tajiquas Creek
14	Rincon Creek	49	Arroyo Quemado
15	Carpinteria Creek	50	Arroyo Hondo
16	Franklin Canyon	51	Gaviota
17	Santa Monica Canyon	52	Juncal Reservoir
18	Arroyo Parida	53	Gibralter Reservoir
19	Toro Canyon	54	Lower Santa Ynez Canyon
20	Ficay Canyon	55	Ballard Creek
21	Romero Canyon	56	Santa Aqueda Creek
22	West Romero Canyon	57	La Zaca Creek
23	San Ysidro Canyon	58	Sisquoc River
24	Oak Creek	59	Upper Cuyama River
25	Hot Springs Canyon	60	Cuyama Valley
26	Cold Springs Canyon	61	Lower Cuyama River
27	Sycamore Canyon	62	Alamo Creek
28	Mission Canyon	63	Huasna River
29	San Roque Canyon	64	Arroyo Grande Creek
30	Atascadero Creek	65	Lopez Canyon
31	San Antonio Creek	66	Pismo Creek
32	Maria Ygnacio Creek	67	San Luis Obispo Creek
33	San Jose Creek	68	San Bernardo and Chorro Creek
34	San Pedro Canyon	69	Morro Creek
35	Bartlett Canyon	70	Toro Creek

LOS PADRES NATIONAL FOREST

FIRE DAMAGE APPRAISAL UNITS

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SCALE IN MILS

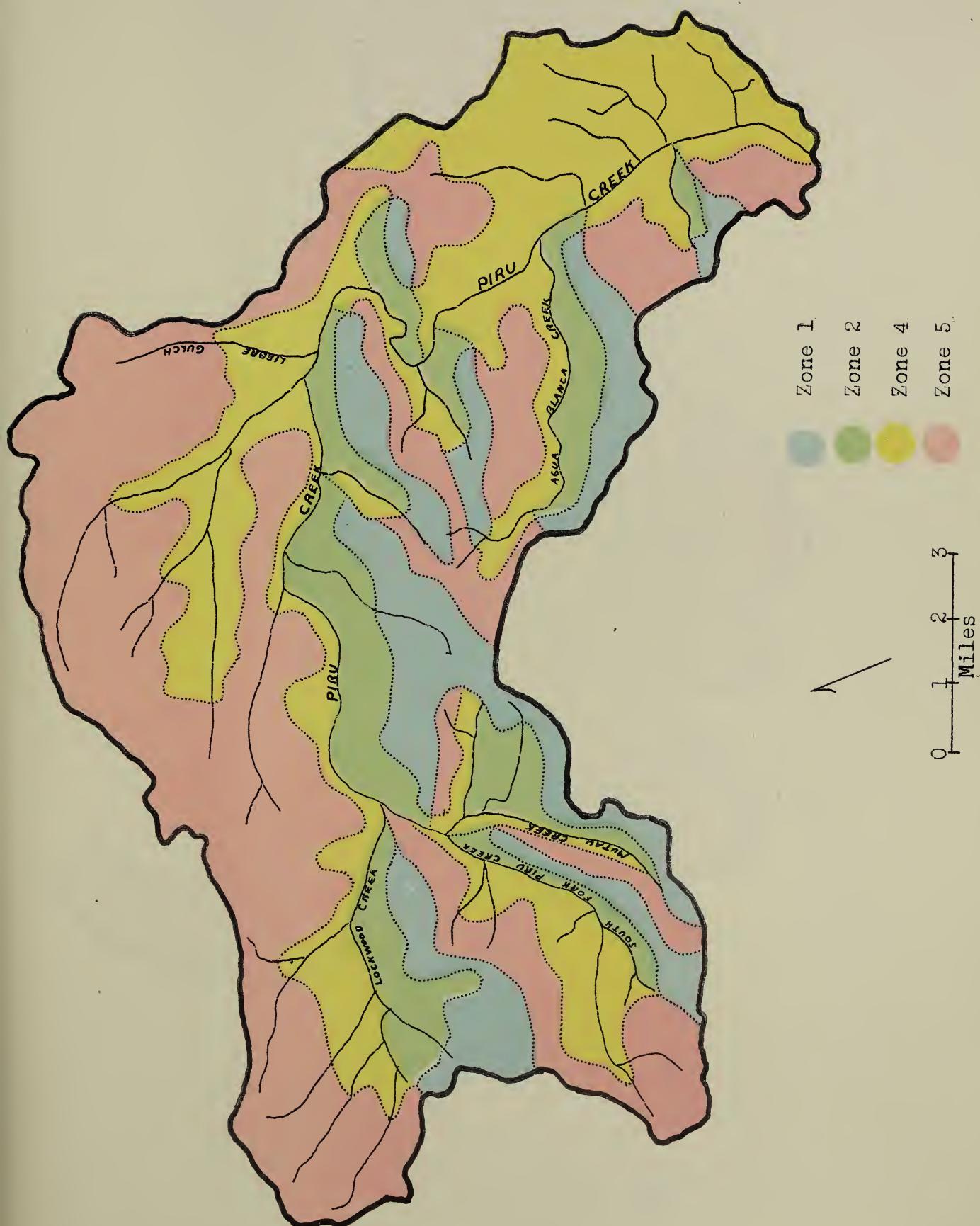
LEOEN

- P-21 UNIT NUMBER  
 - - - UNIT BOUNDARY  
 - - - FOREST BOUNDARY  
 ~~~ STREAM

PACIFIC OCEAN

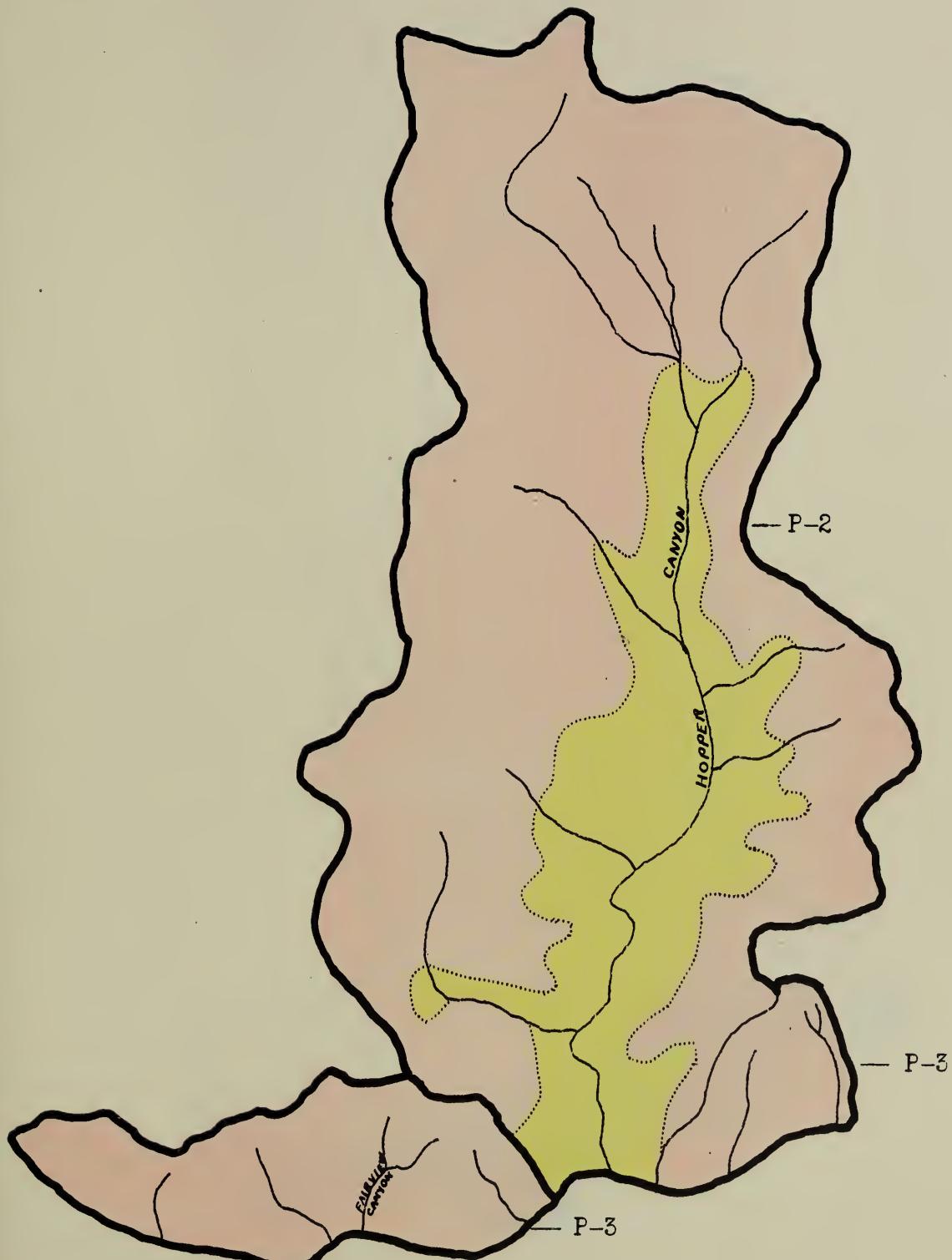
*SANTA BARBARA CHANNEL*







Hopper Canyon P-2  
Fairview P-3

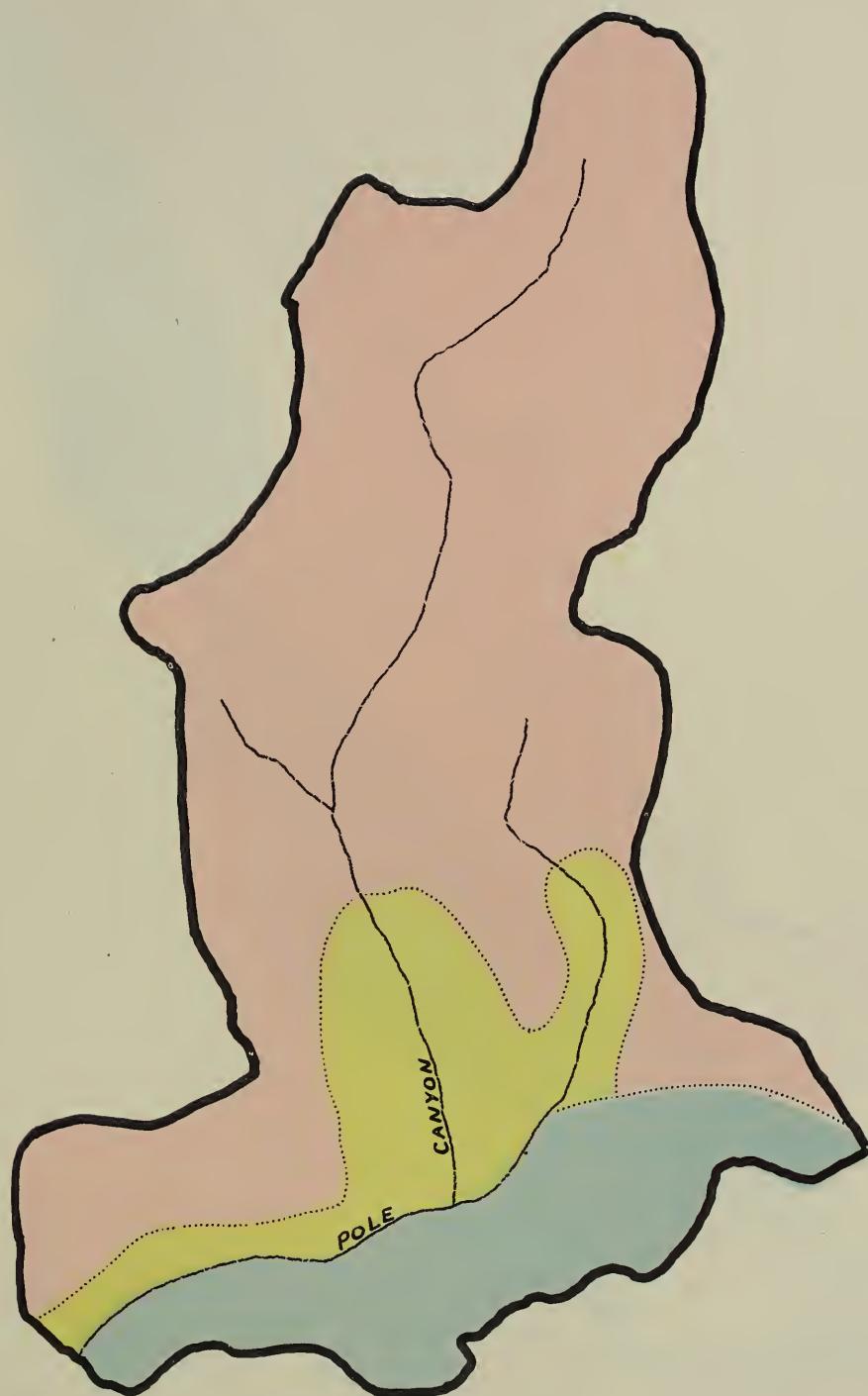


Zone 4

Zone 5

0 1 2  
Miles





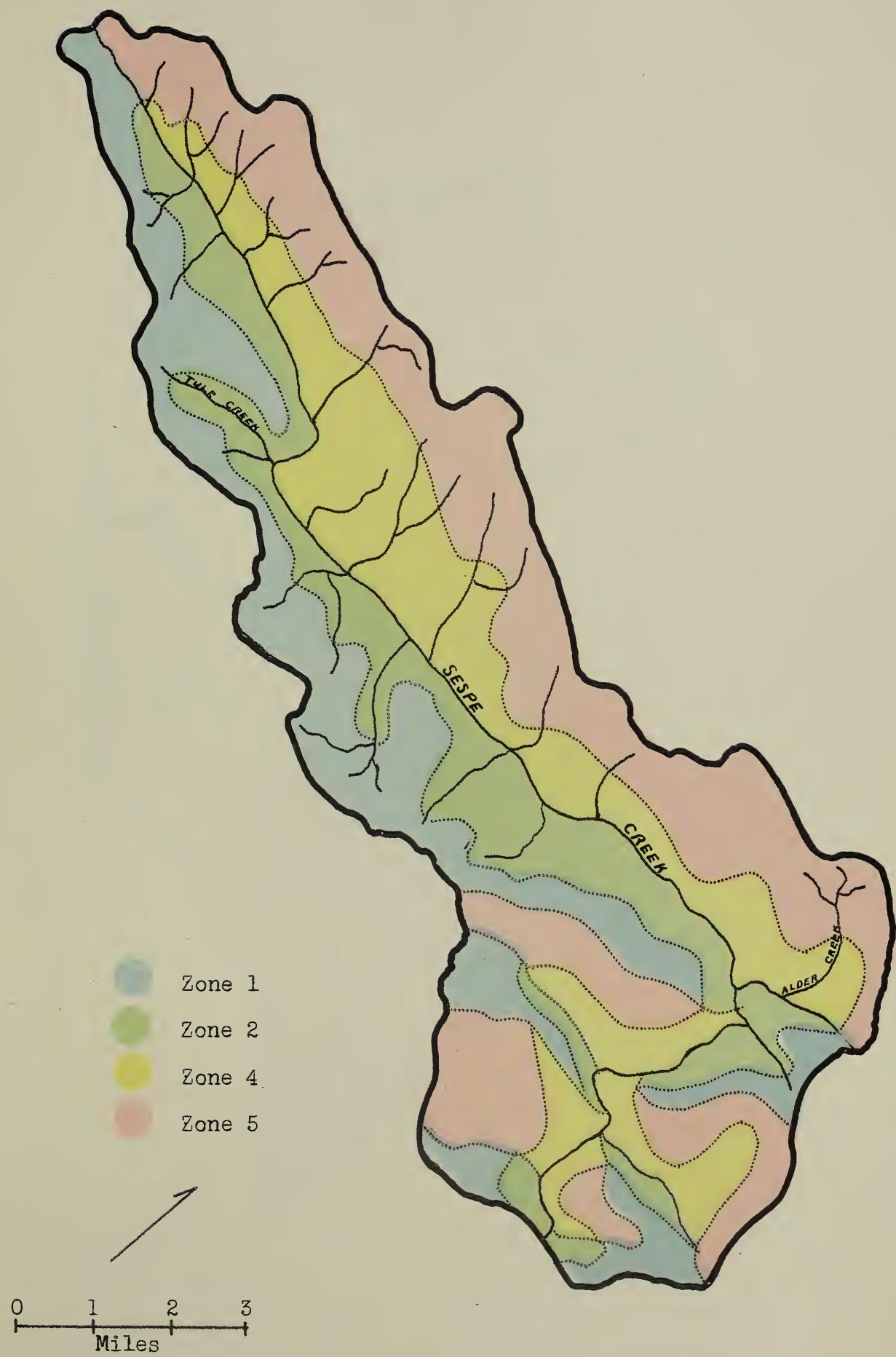
Zone 1

Zone 4

Zone 5

0 1 2  
Miles

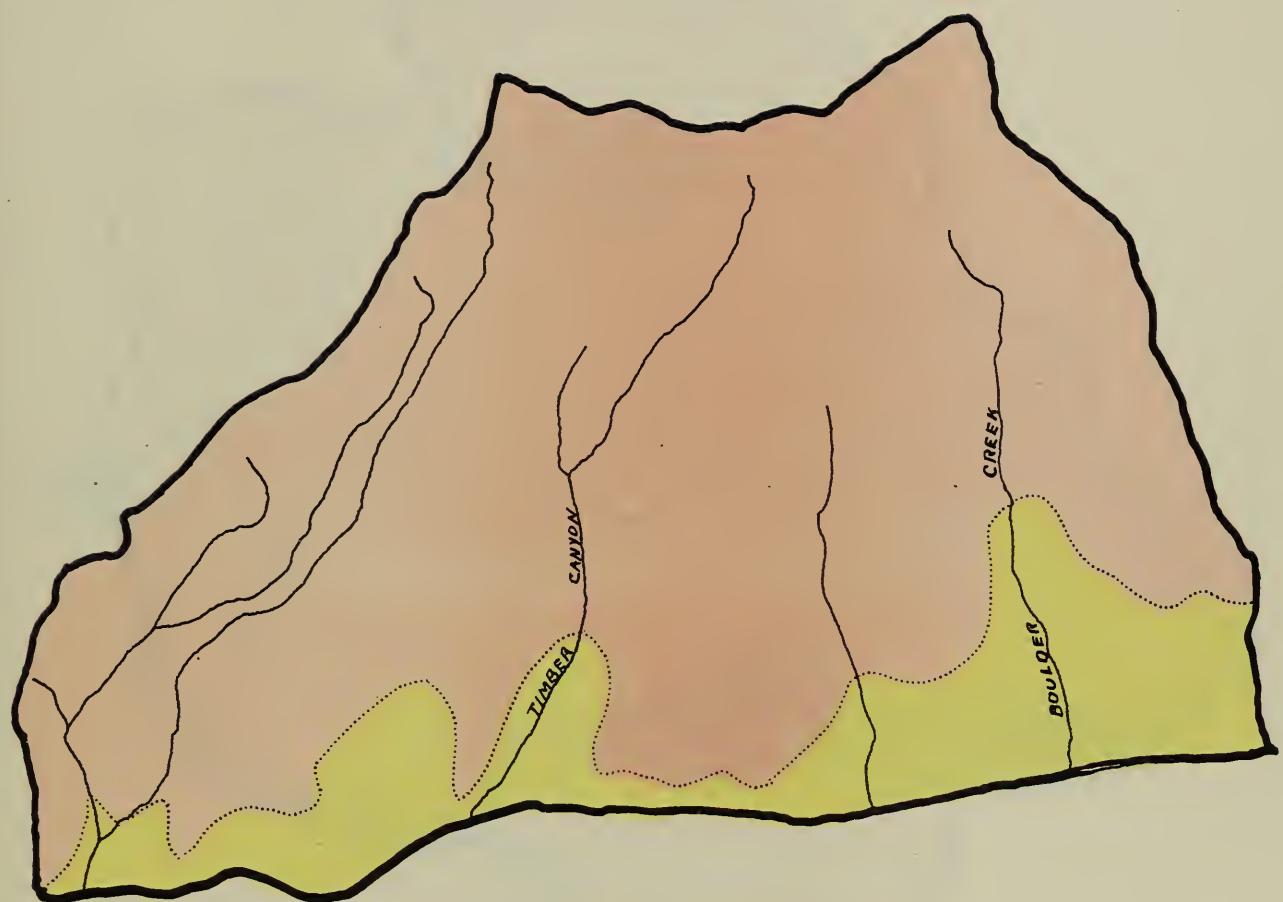






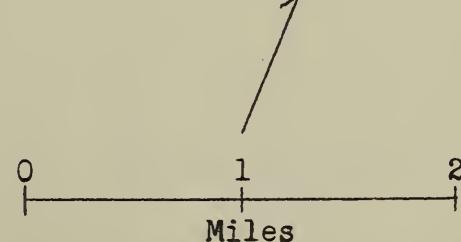






Zone 4

Zone 5



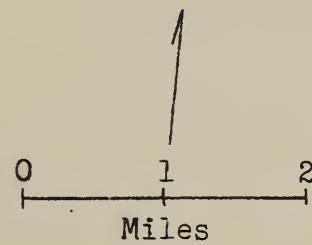




Zone 1

Zone 4

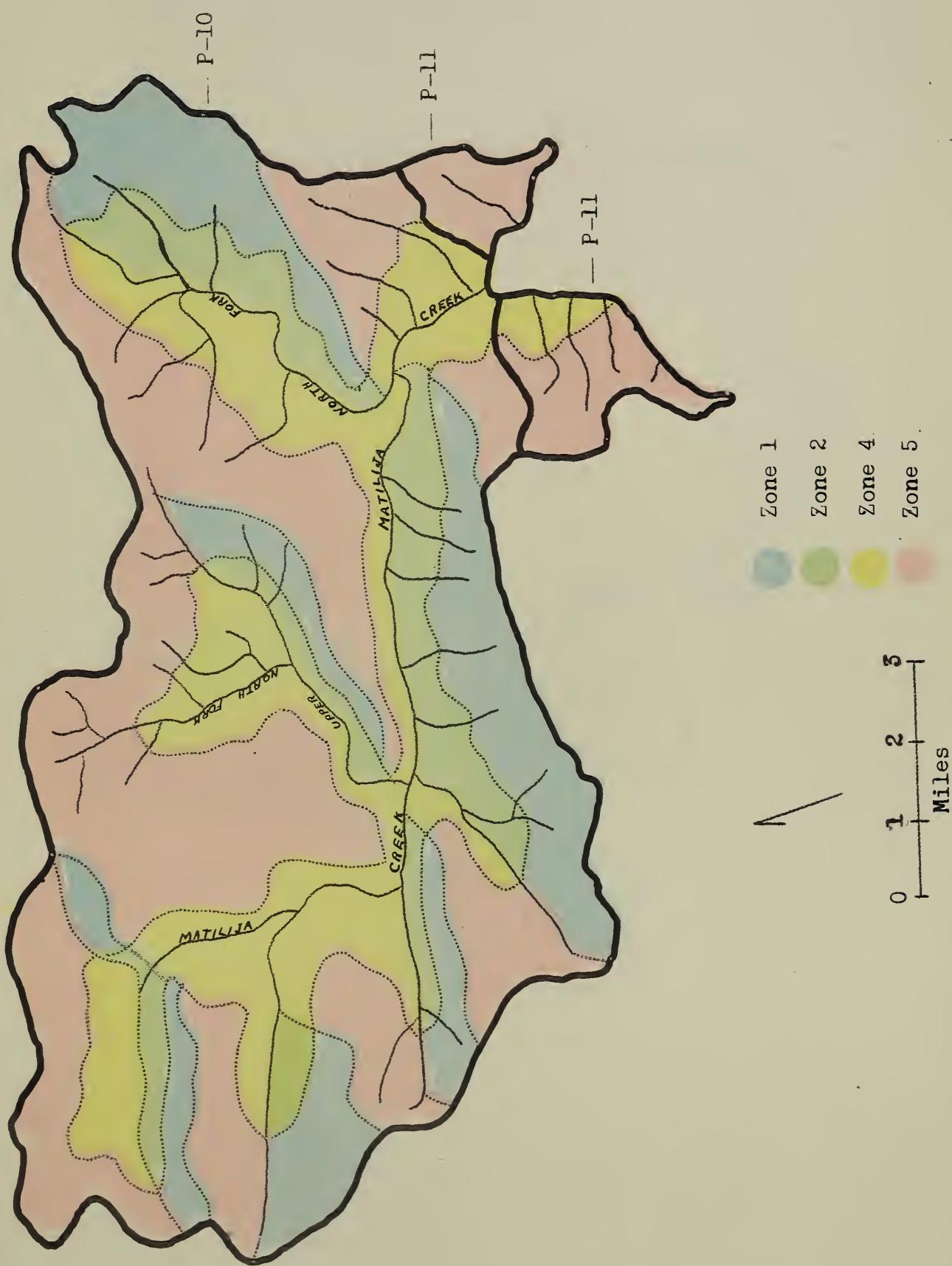
Zone 5











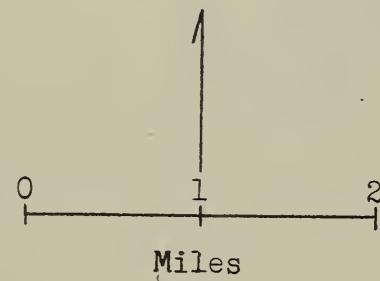




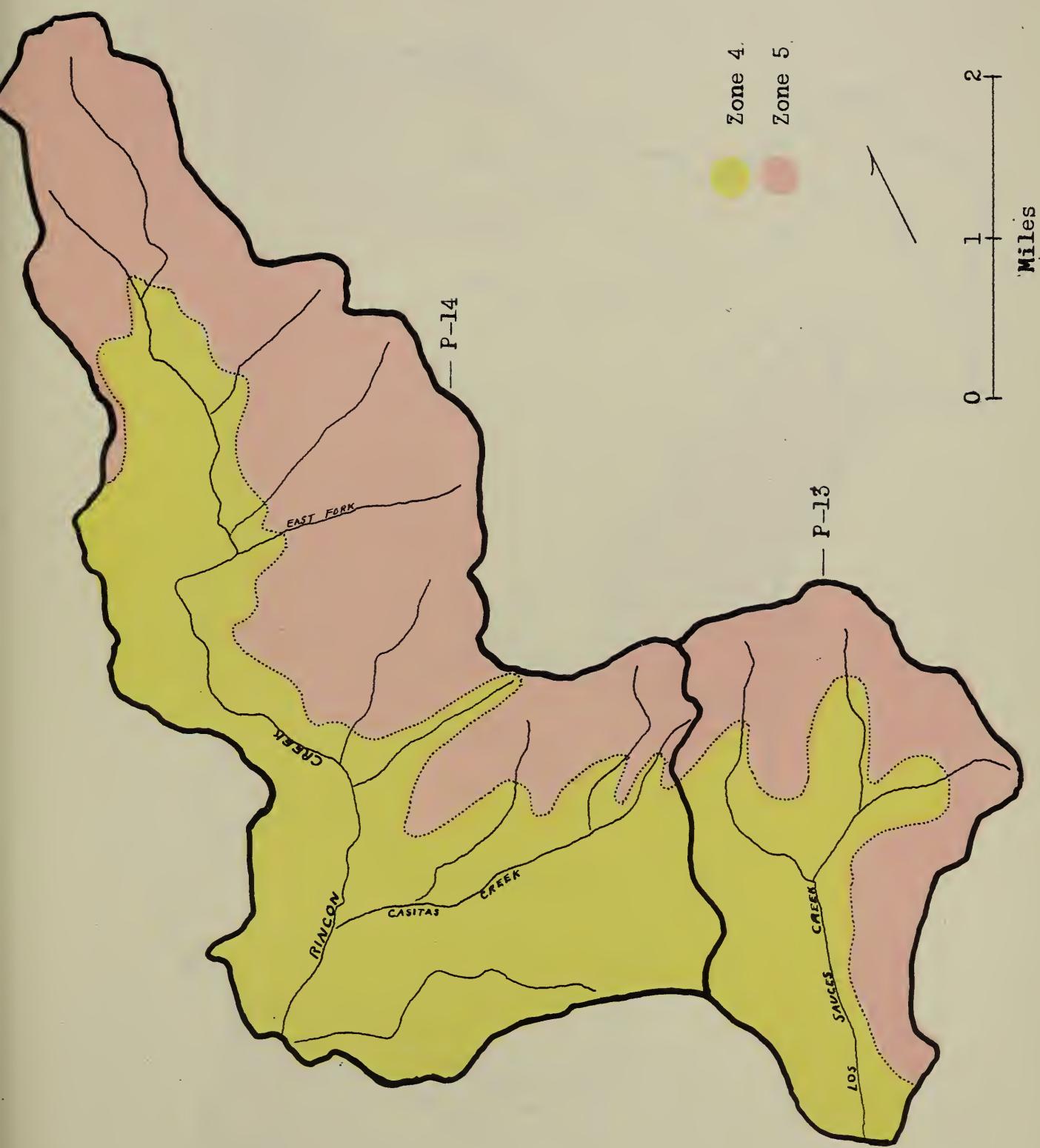
Zone 1

Zone 4

Zone 5







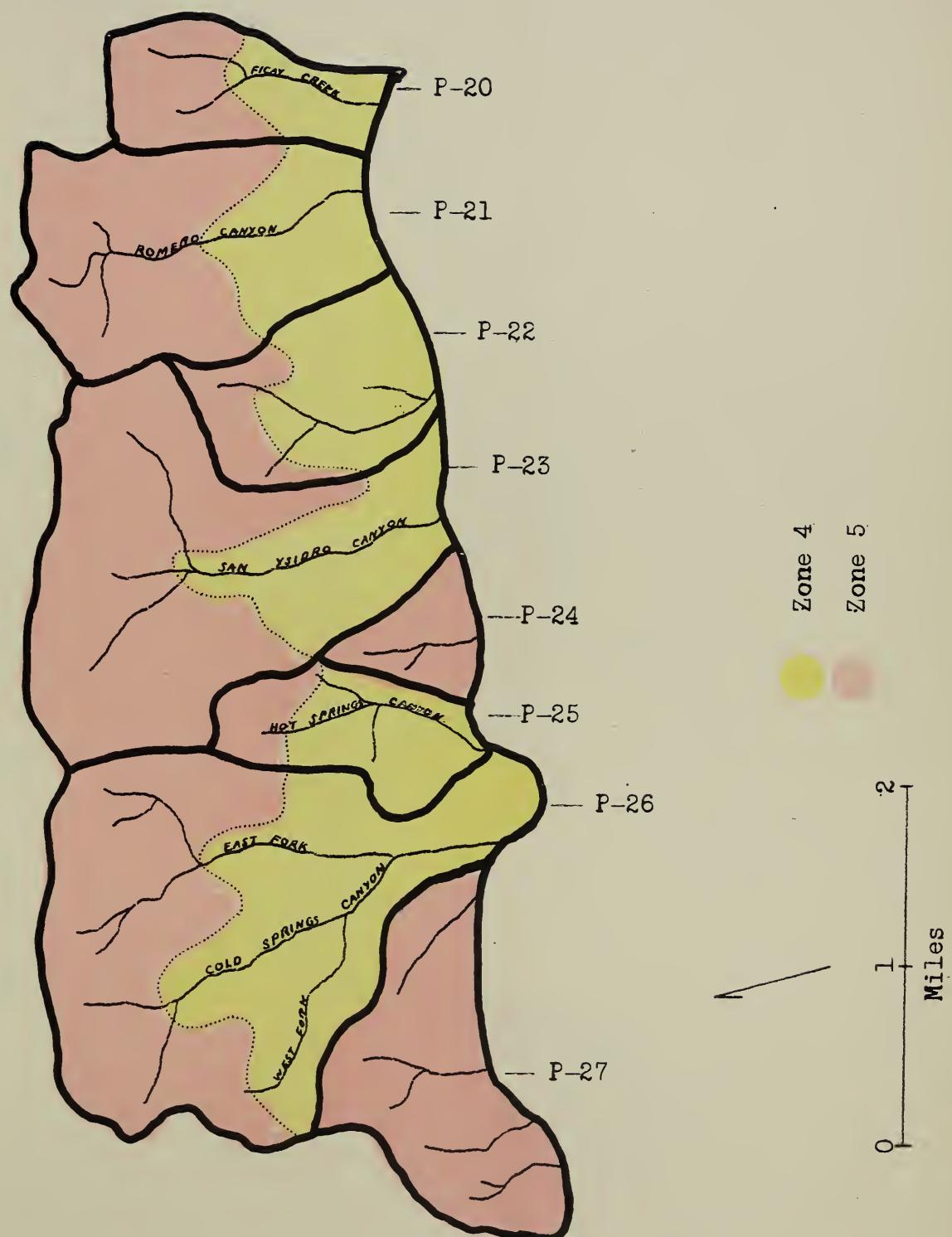


|                     |      |
|---------------------|------|
| Carpinteria Creek   | P-15 |
| Franklin Canyon     | P-16 |
| Santa Monica Canyon | P-17 |
| Arroyo Parida       | P-18 |
| Toro Canyon         | P-19 |





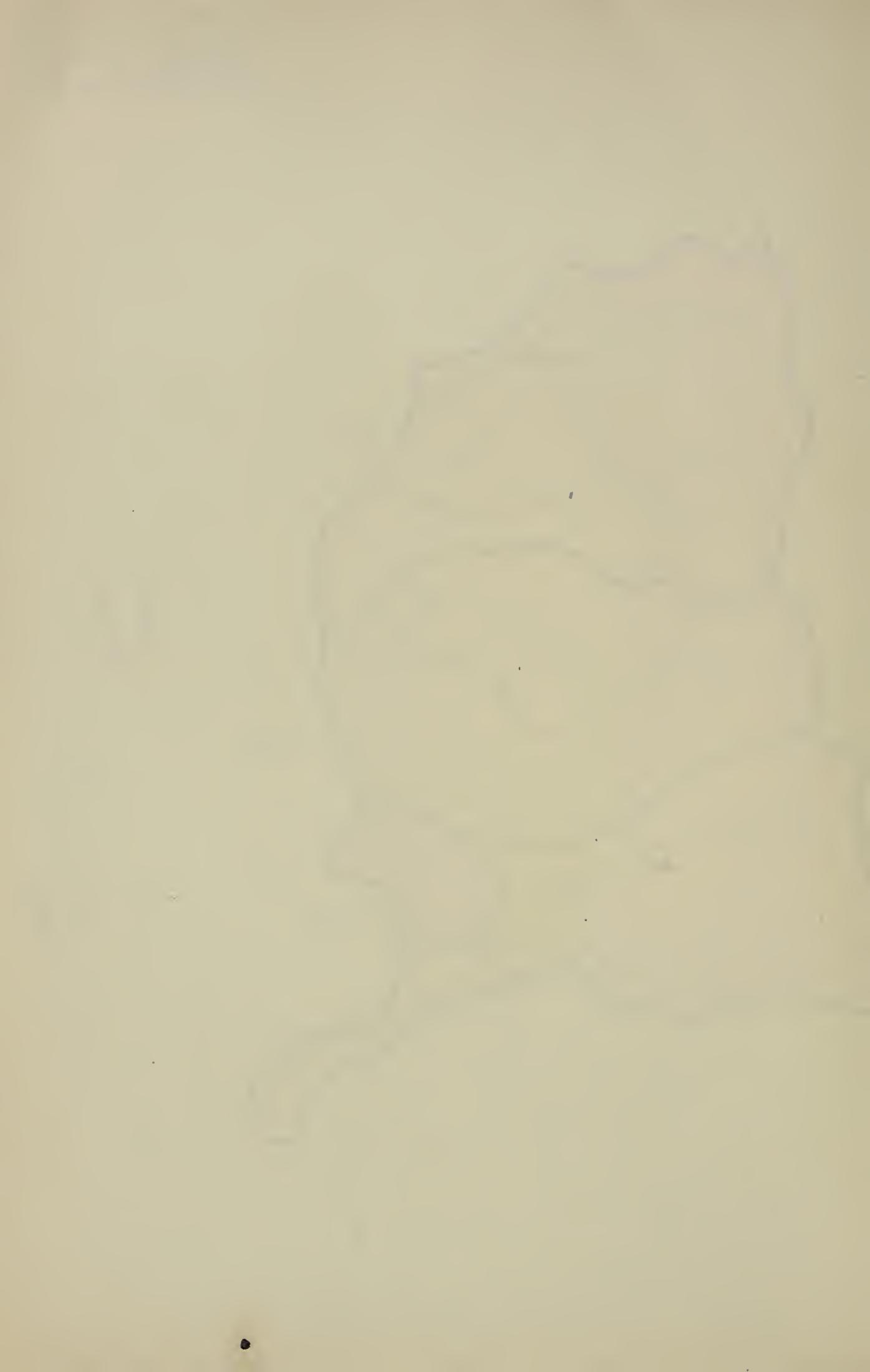
|                     |      |
|---------------------|------|
| Ficay Canyon        | P-20 |
| Romero Canyon       | P-21 |
| West Romero Canyon  | P-22 |
| San Ysidro Canyon   | P-23 |
| Oak Creek           | P-24 |
| Hot Springs Canyon  | P-25 |
| Cold Springs Canyon | P-26 |
| Sycamore Canyon     | P-27 |





Mission Canyon P-28  
San Roque Canyon P-29  
Atascadero Creek P-30  
San Antonio Creek P-31



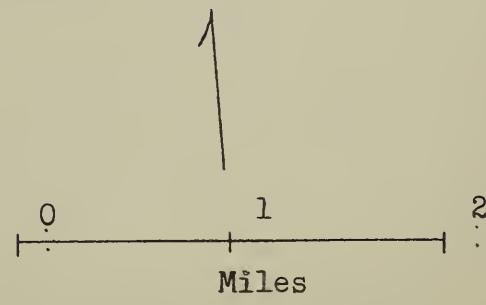


Maria Ygnacio Creek P-32  
San Jose Creek P-33  
San Pedro Canyon P-34



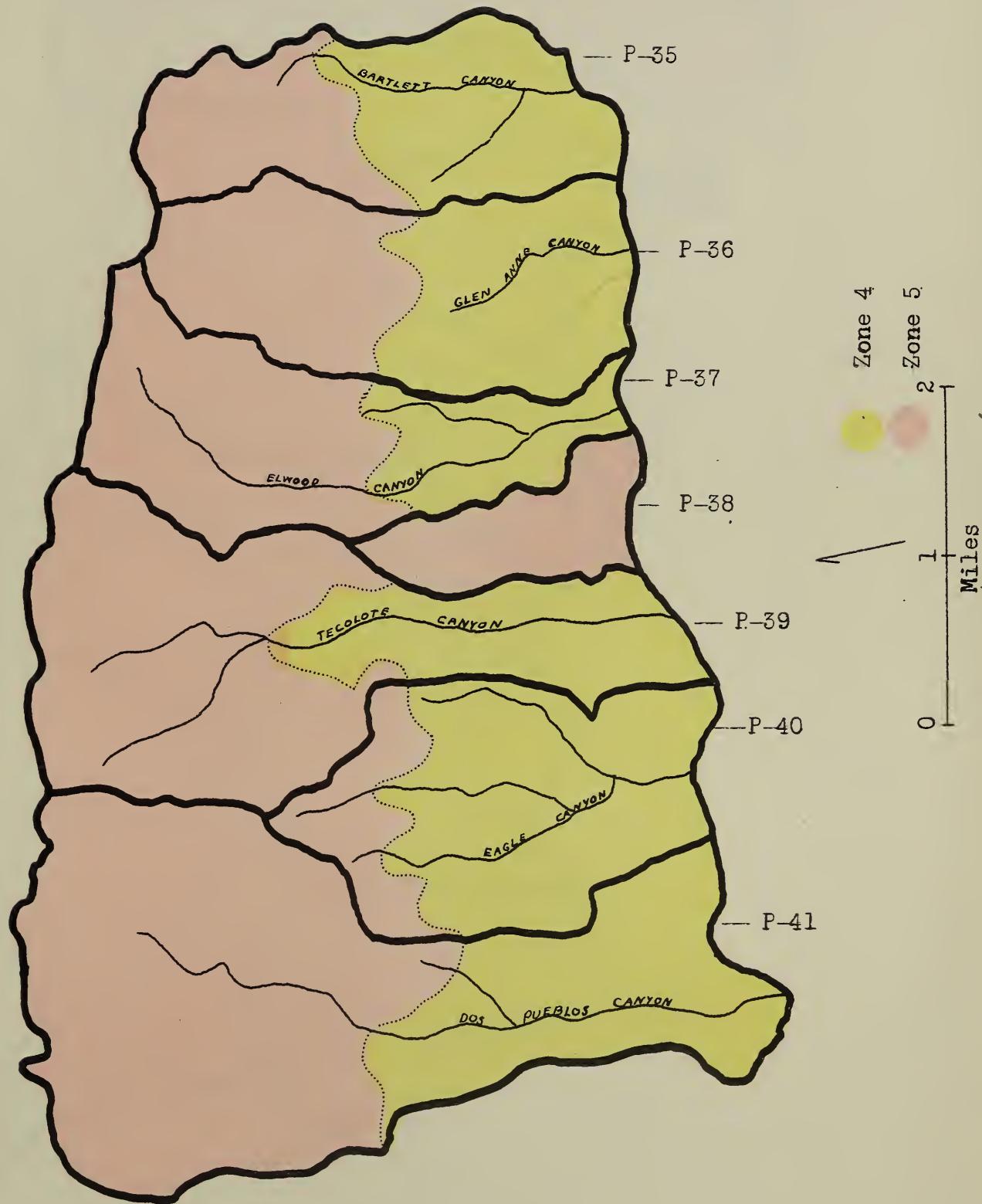
Zone 4

Zone 5



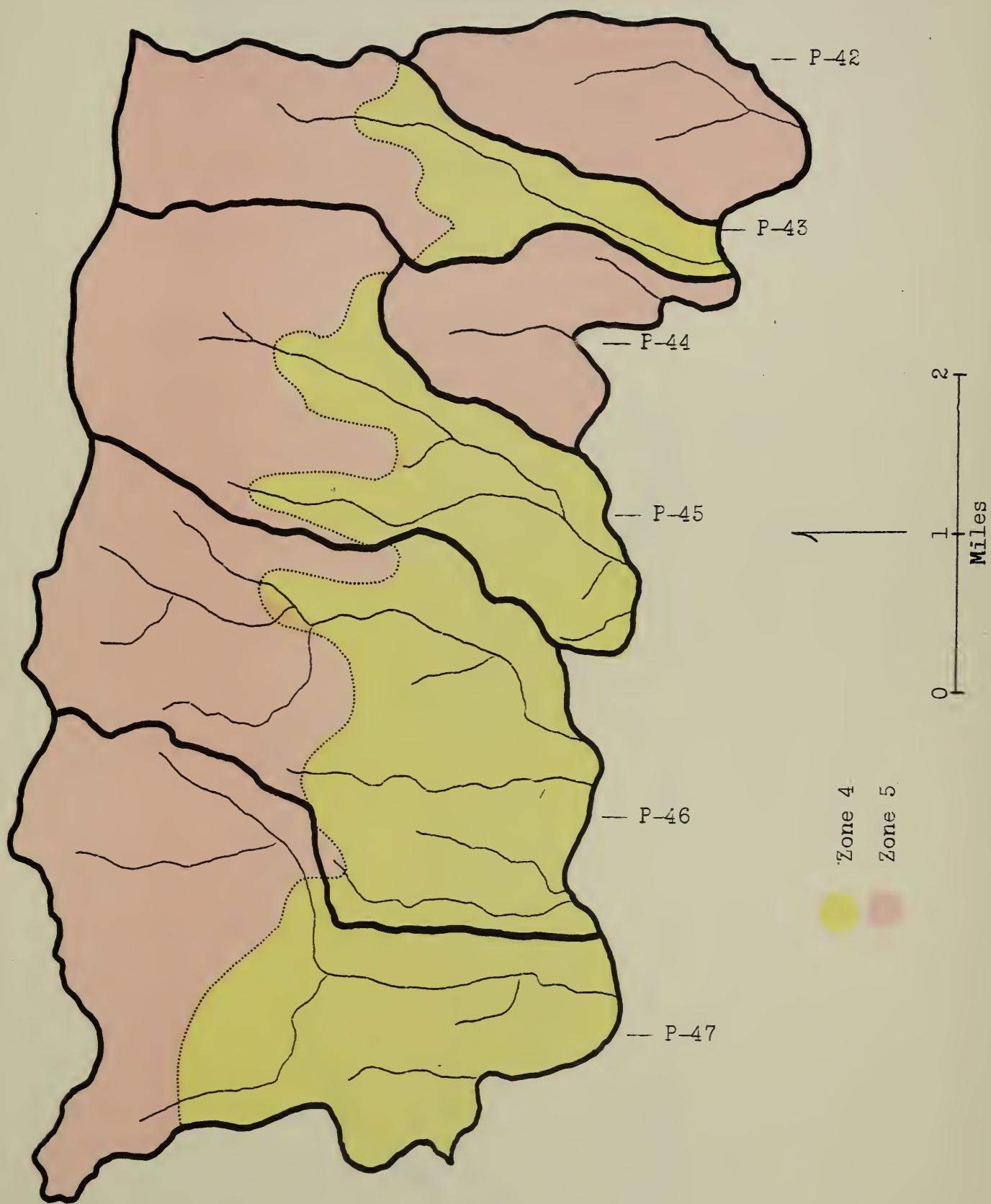


|                    |      |
|--------------------|------|
| Bartlett Canyon    | P-35 |
| Glen Anne Canyon   | P-36 |
| Elwood Canyon      | P-37 |
| Winchester Canyon  | P-38 |
| Tecolote Canyon    | P-39 |
| Eagle Canyon       | P-40 |
| Dos Pueblos Canyon | P-41 |



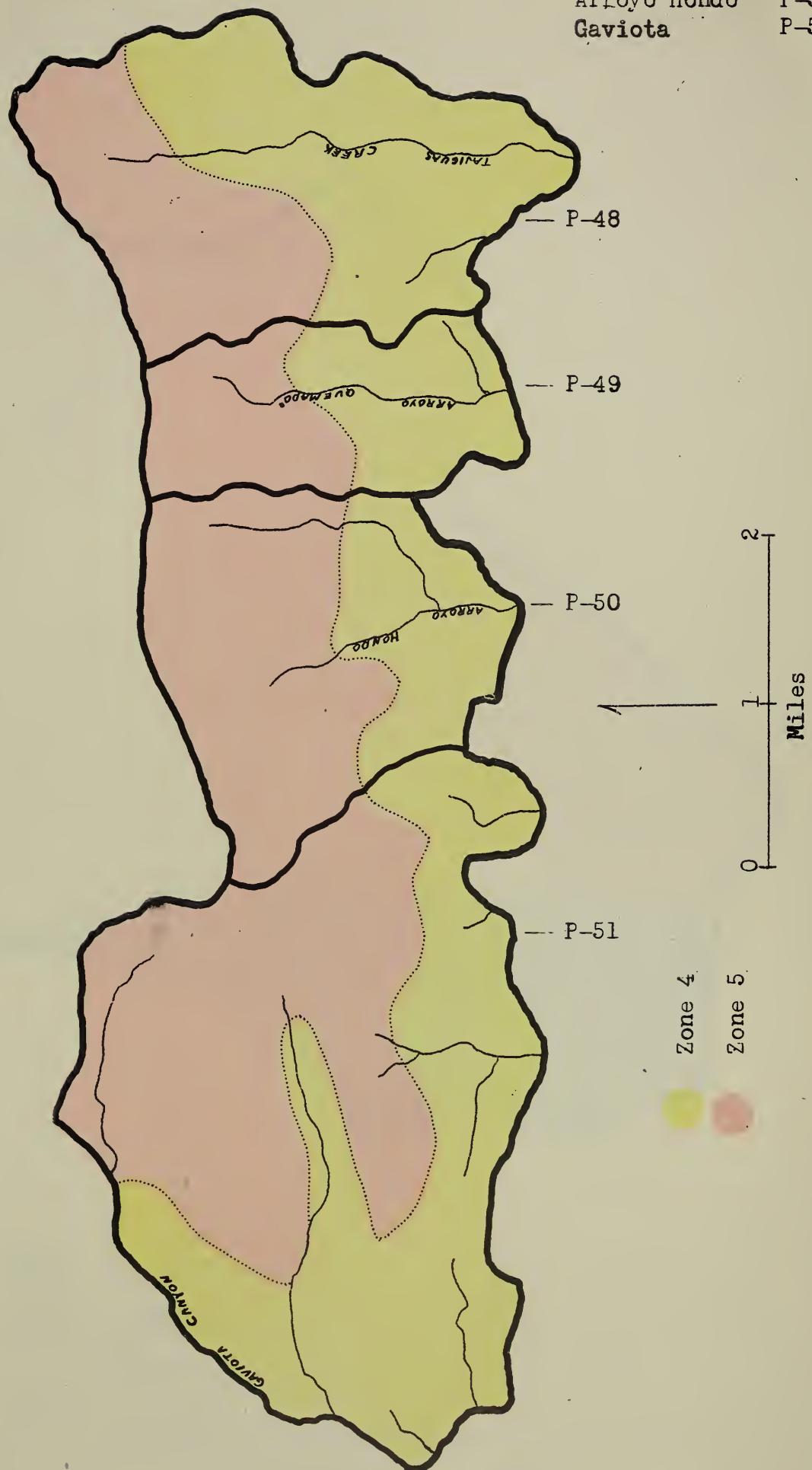


|                    |      |
|--------------------|------|
| Las Varas Canyon   | P-42 |
| Gato Canyon        | P-43 |
| Las Yeguas Canyon  | P-44 |
| Canada del Capitan | P-45 |
| Canada del Corral  | P-46 |
| Canada del Refugio | P-47 |





Tajiquas Creek P-48  
Arroyo Quemado P-49  
Arroyo Hondo P-50  
Gaviota P-51







Zone 1



Zone 2



Zone 4



Zone 5

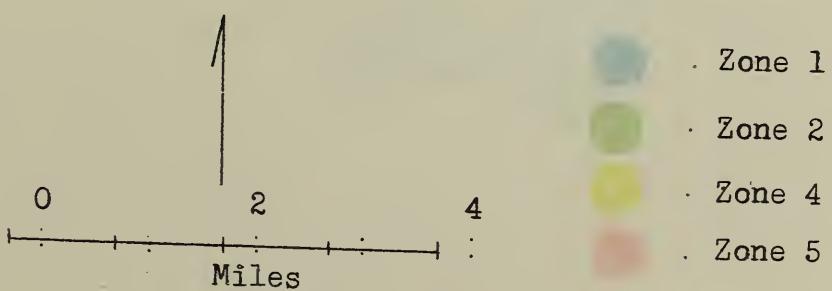


1

0 1 2

Miles

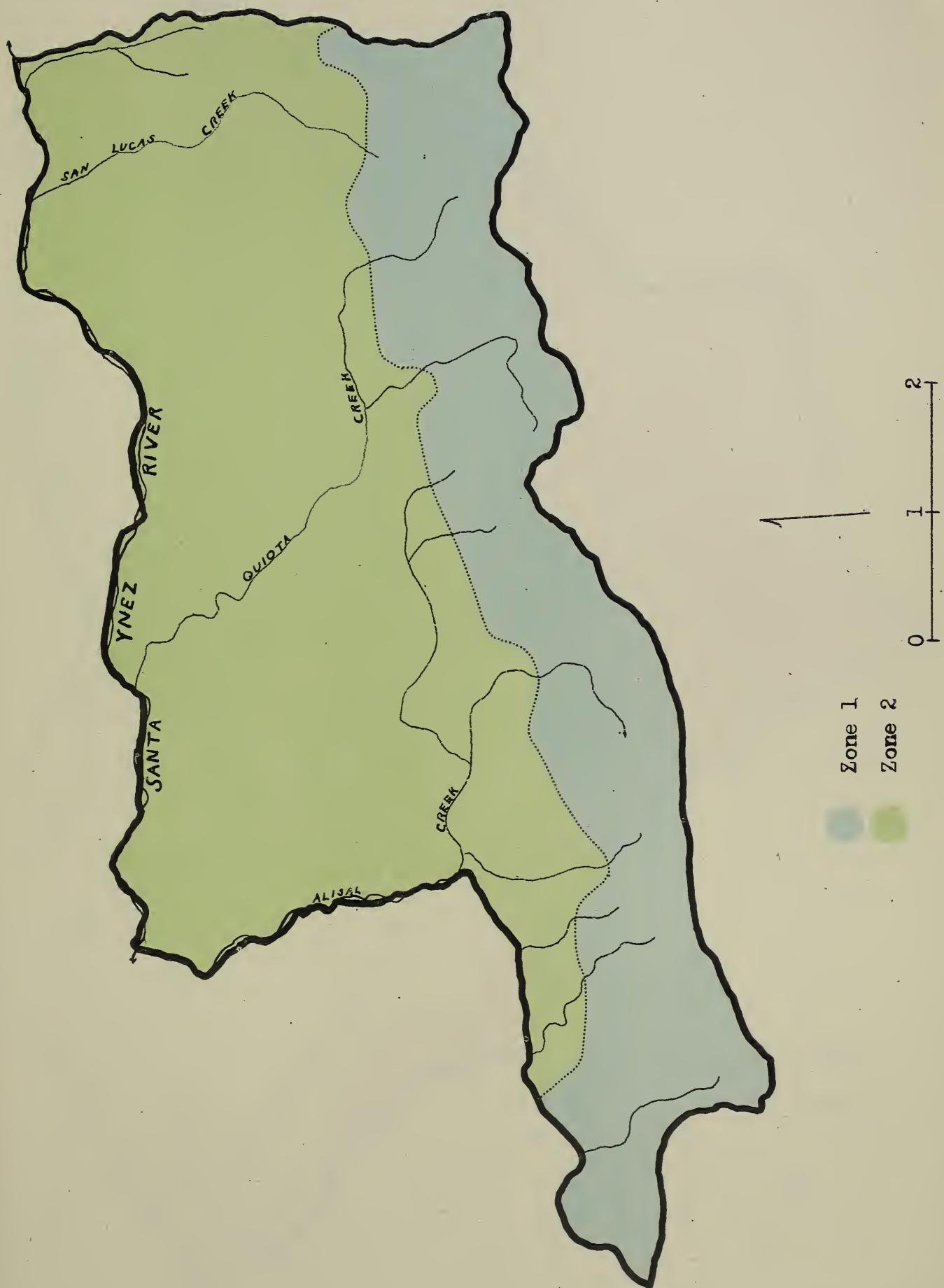




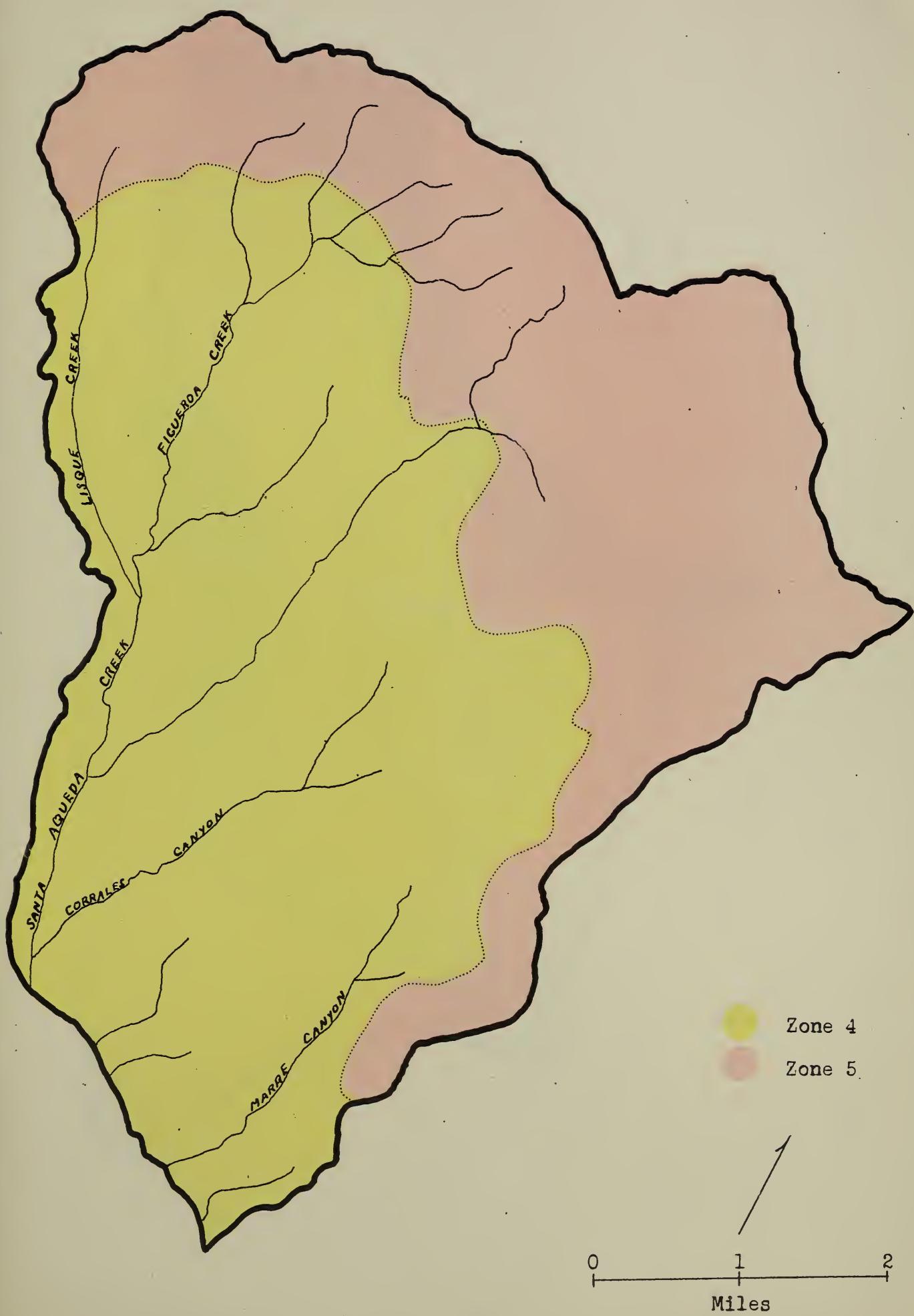




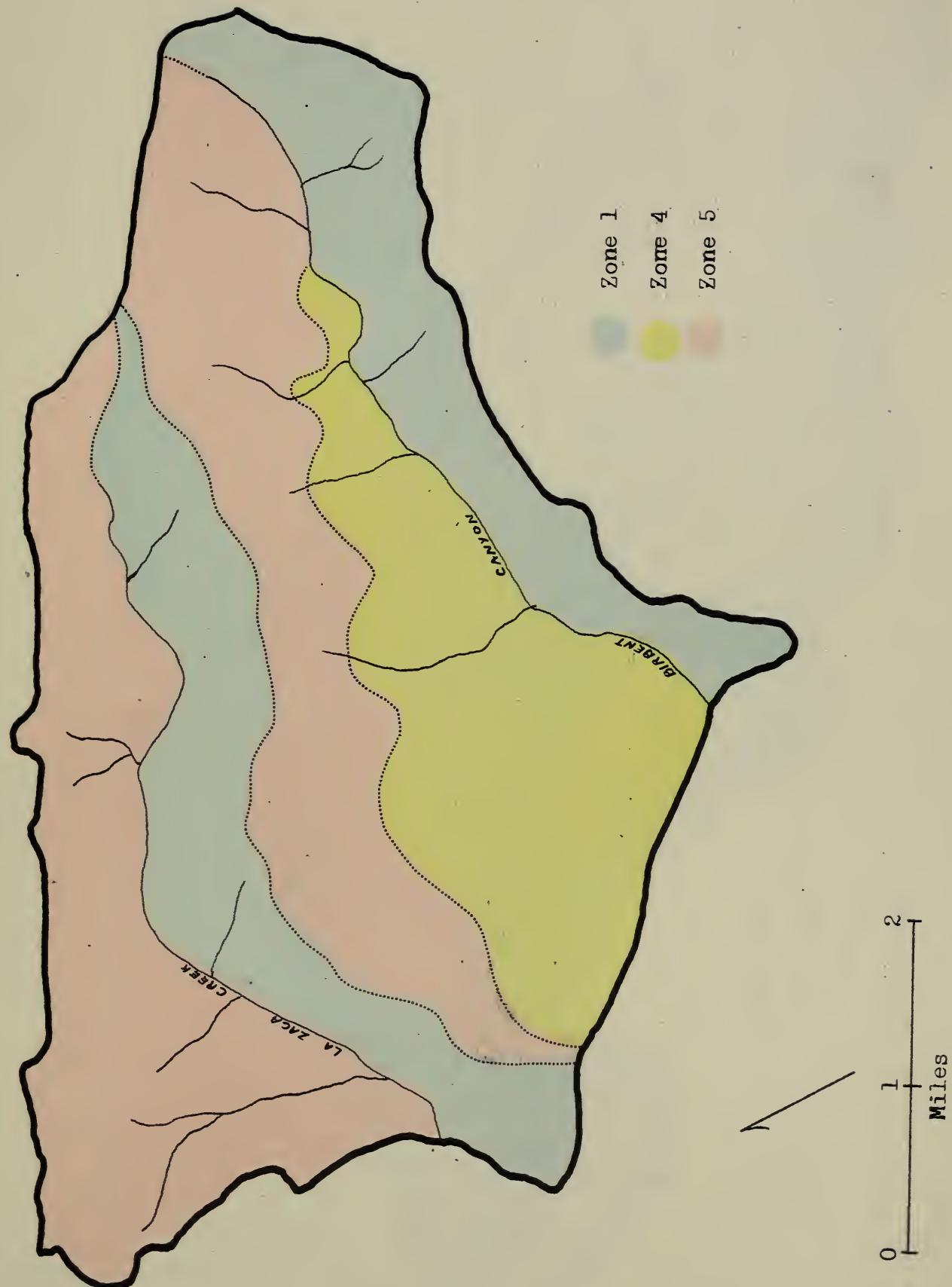




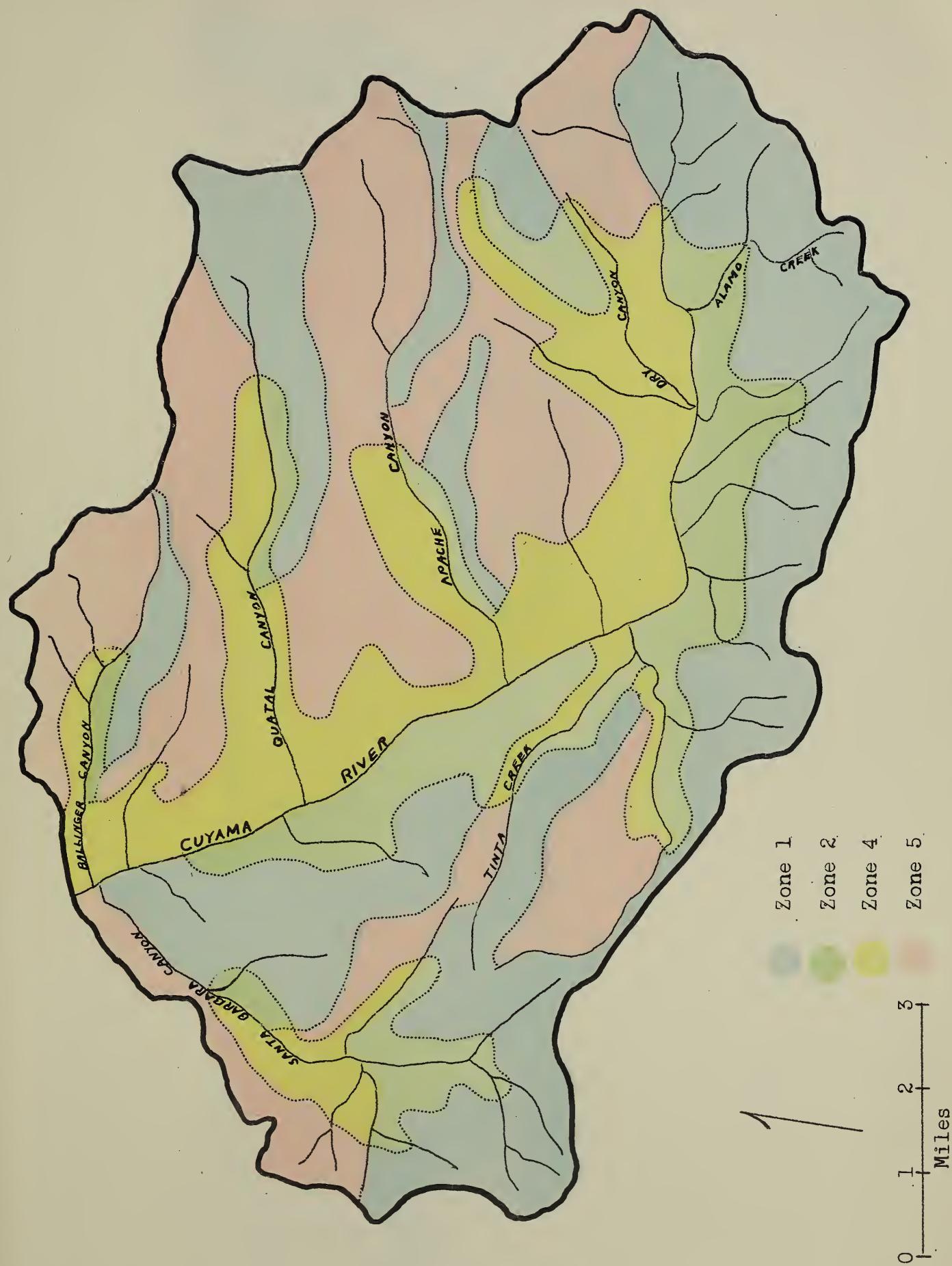




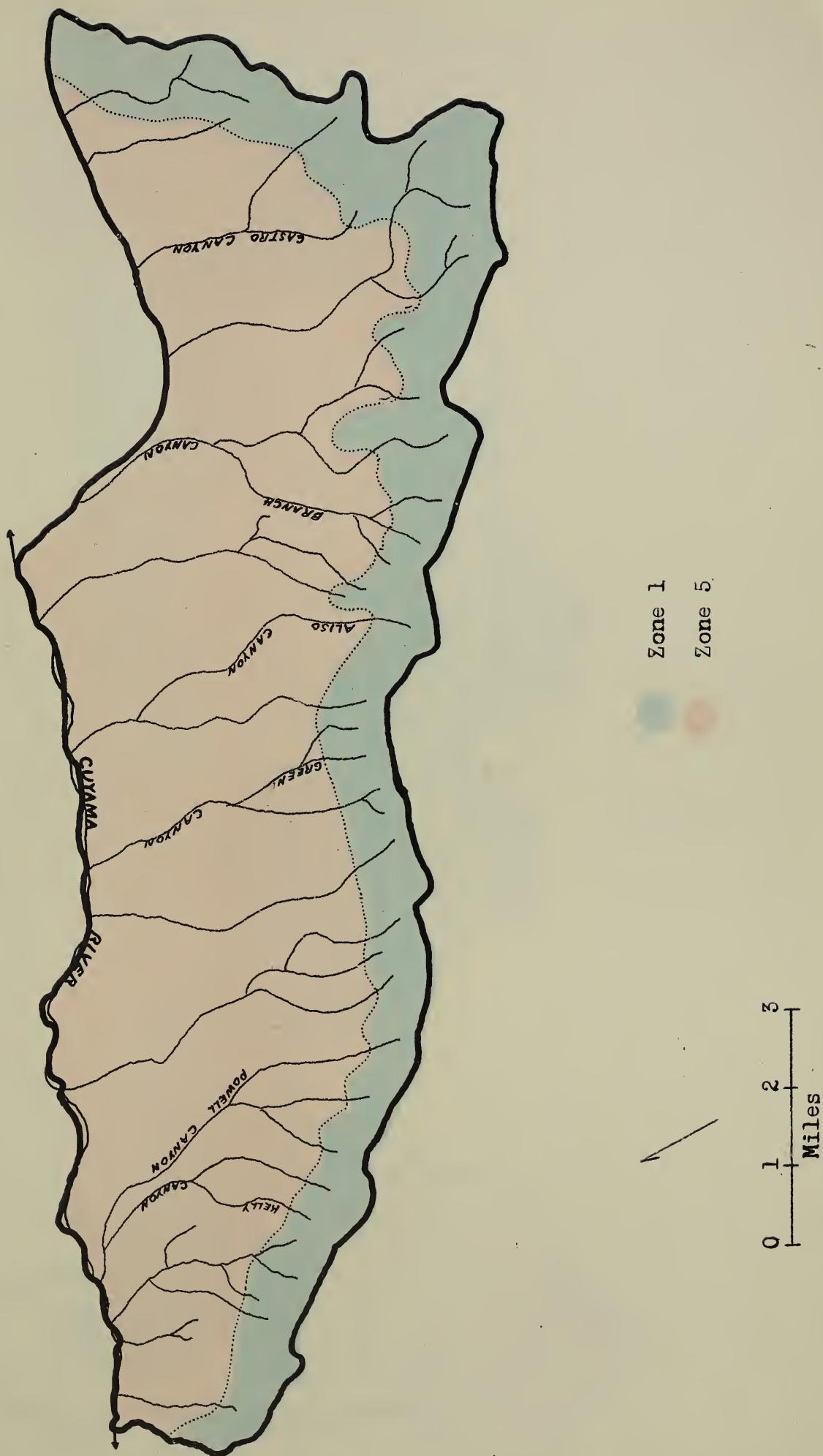




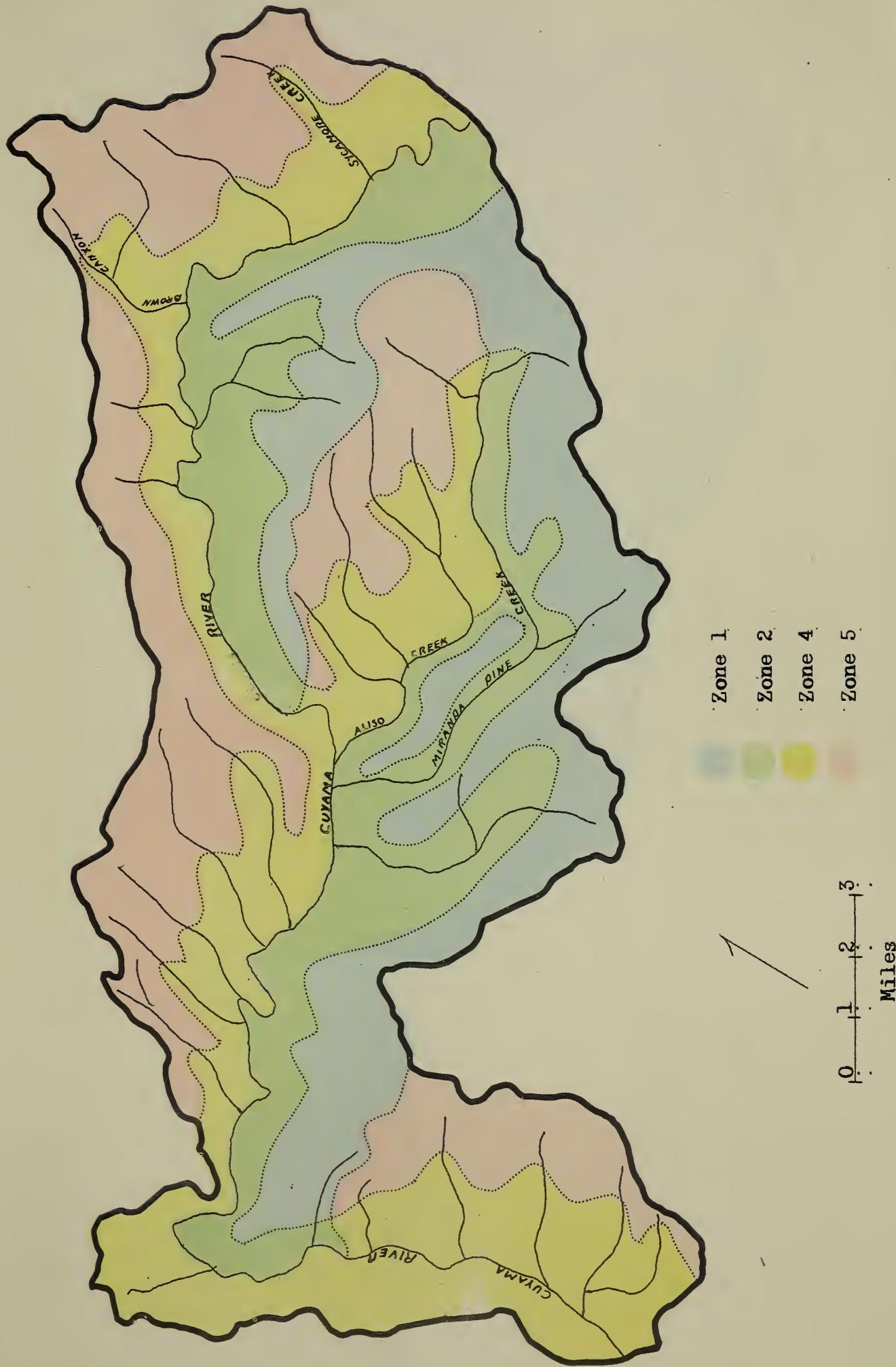




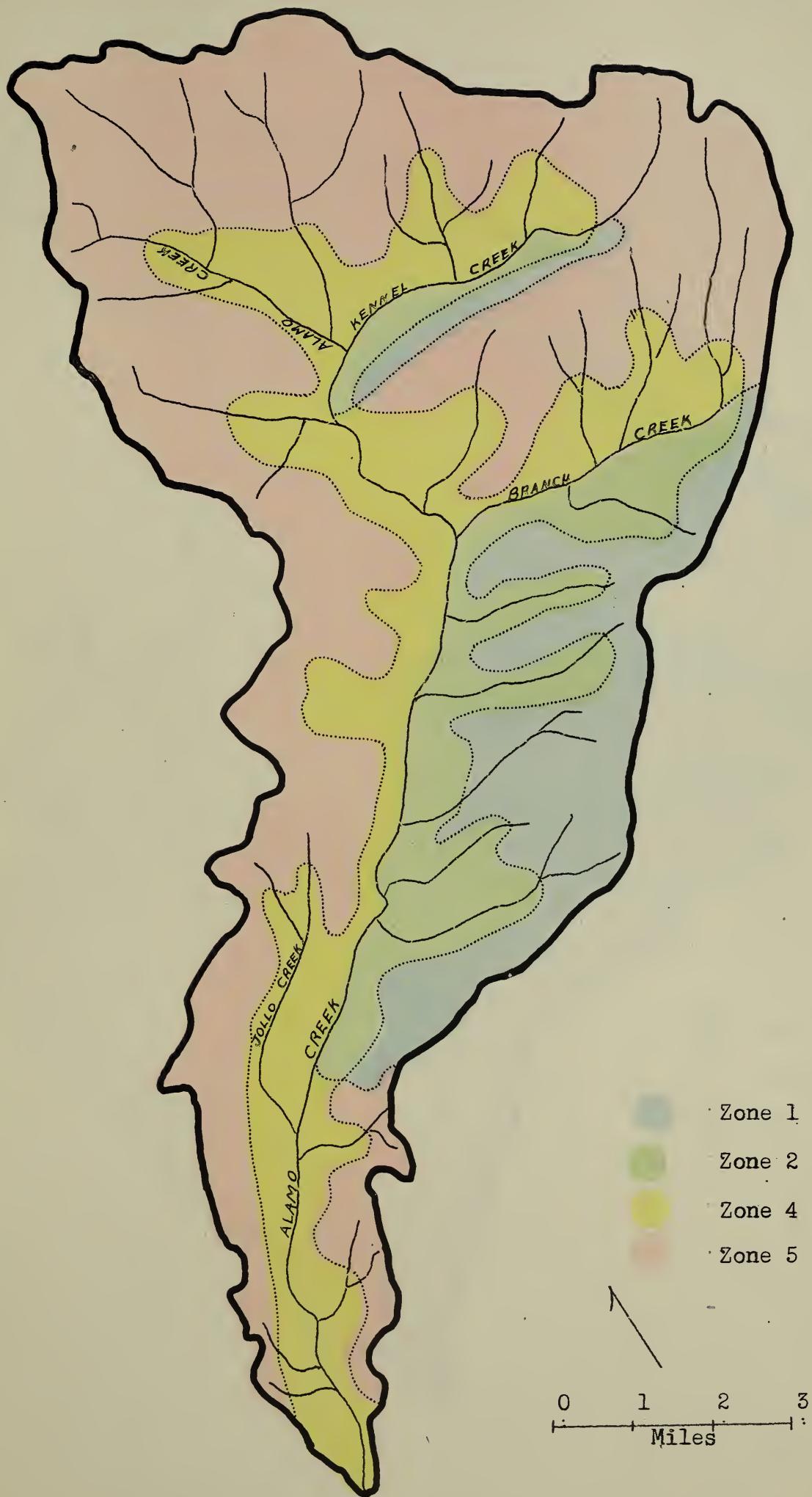




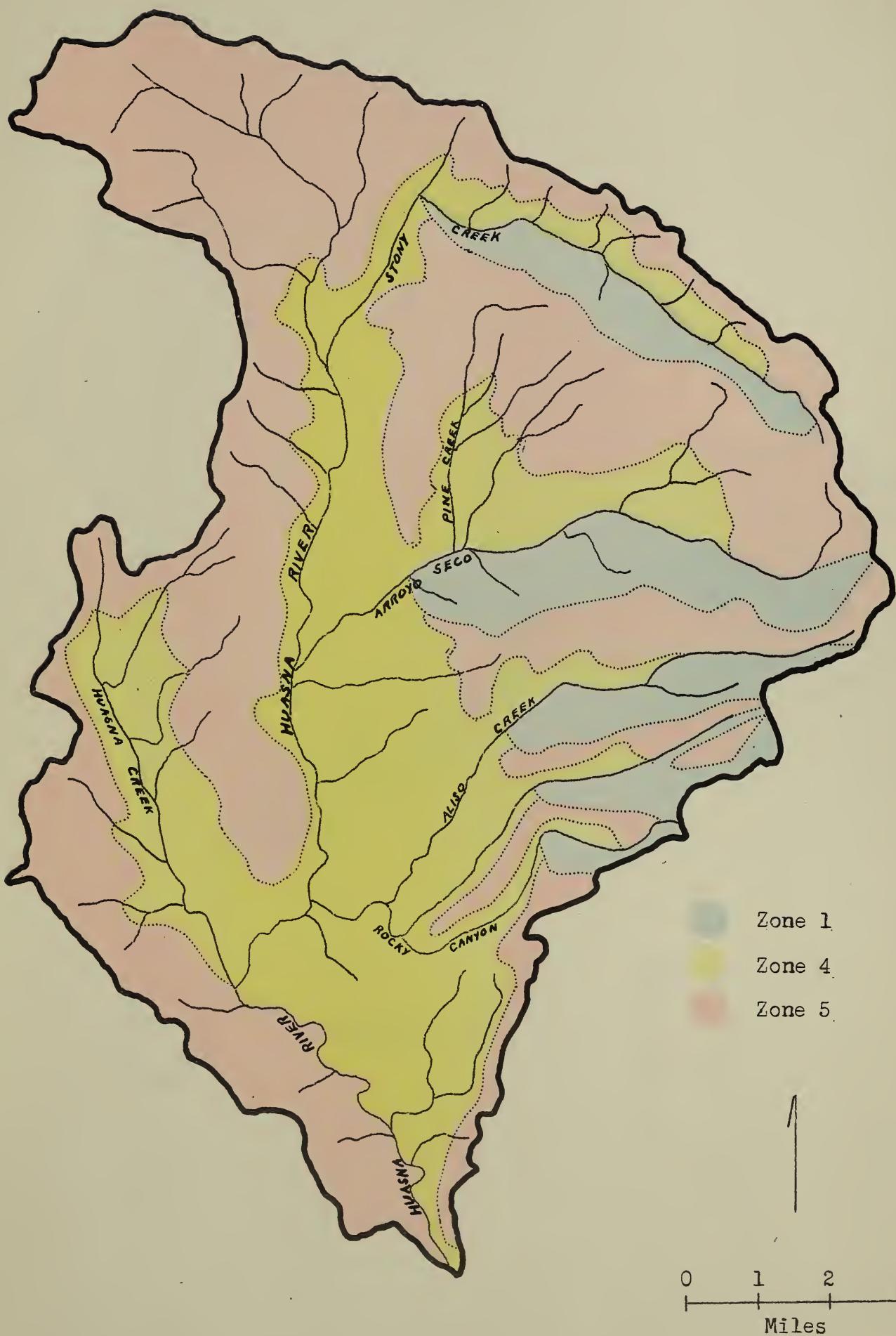






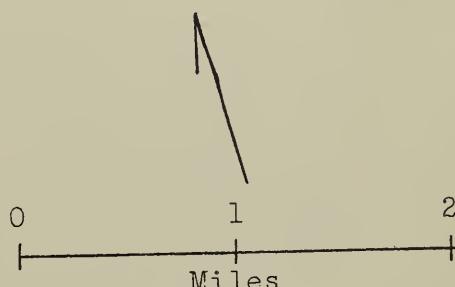
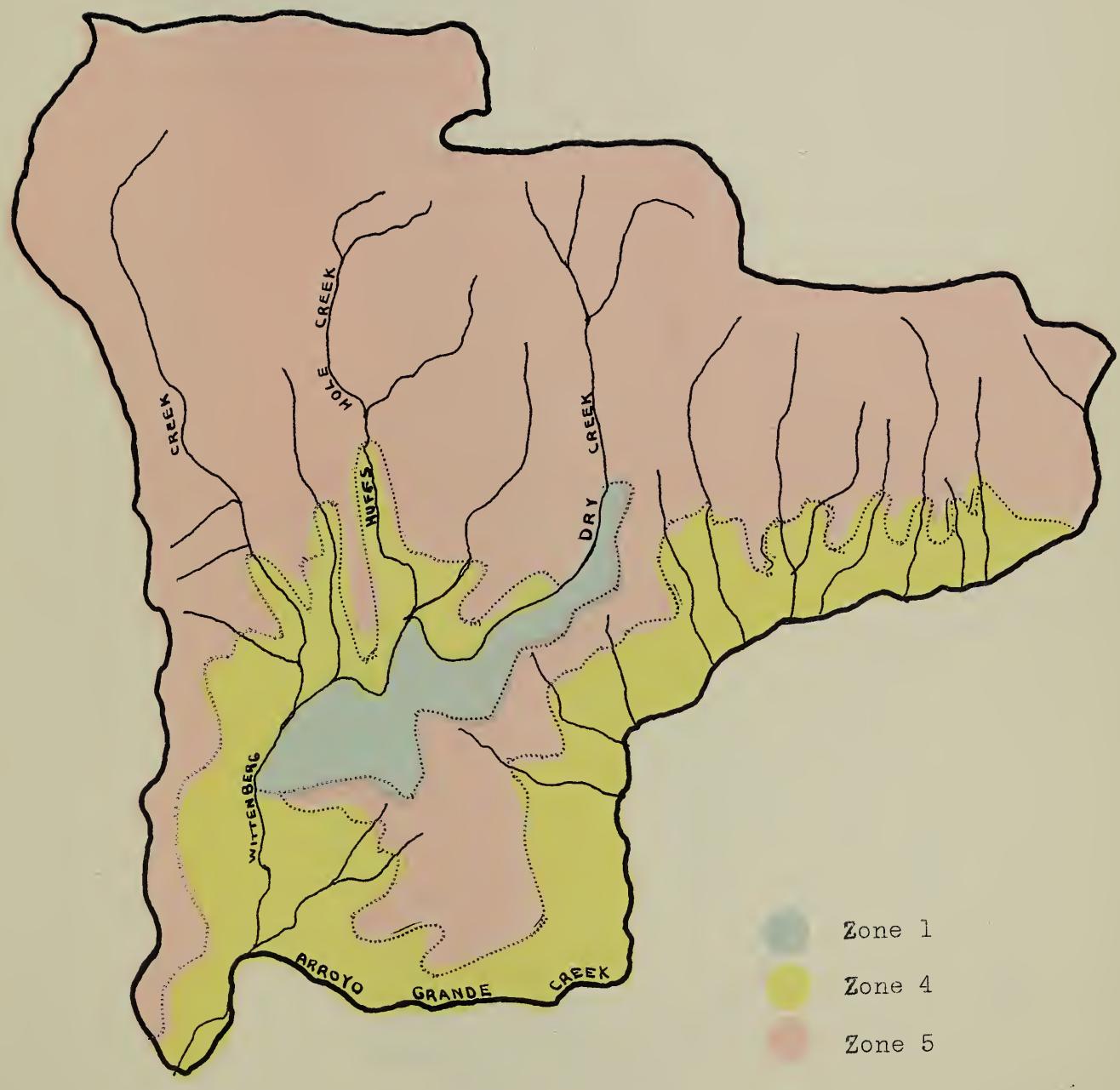




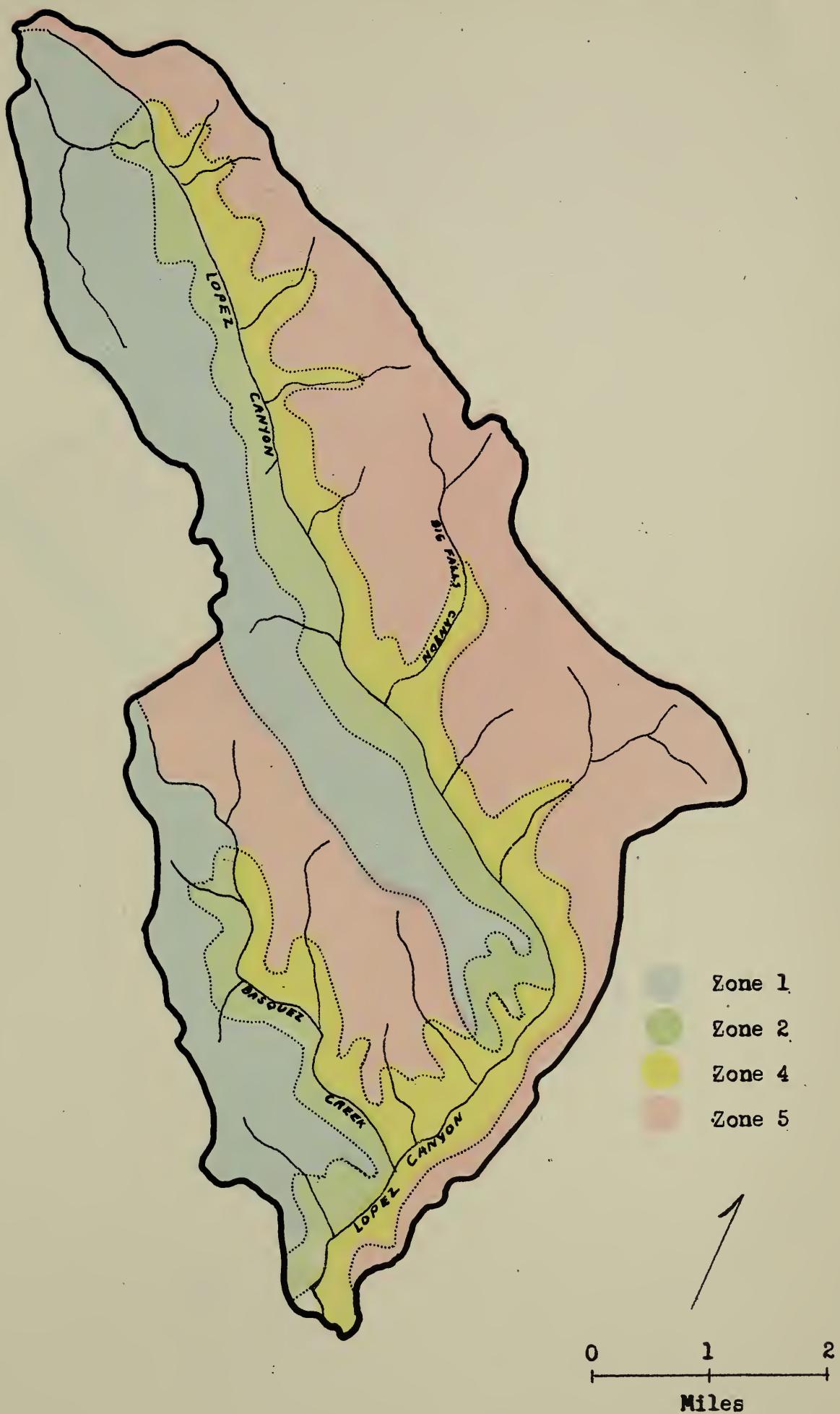




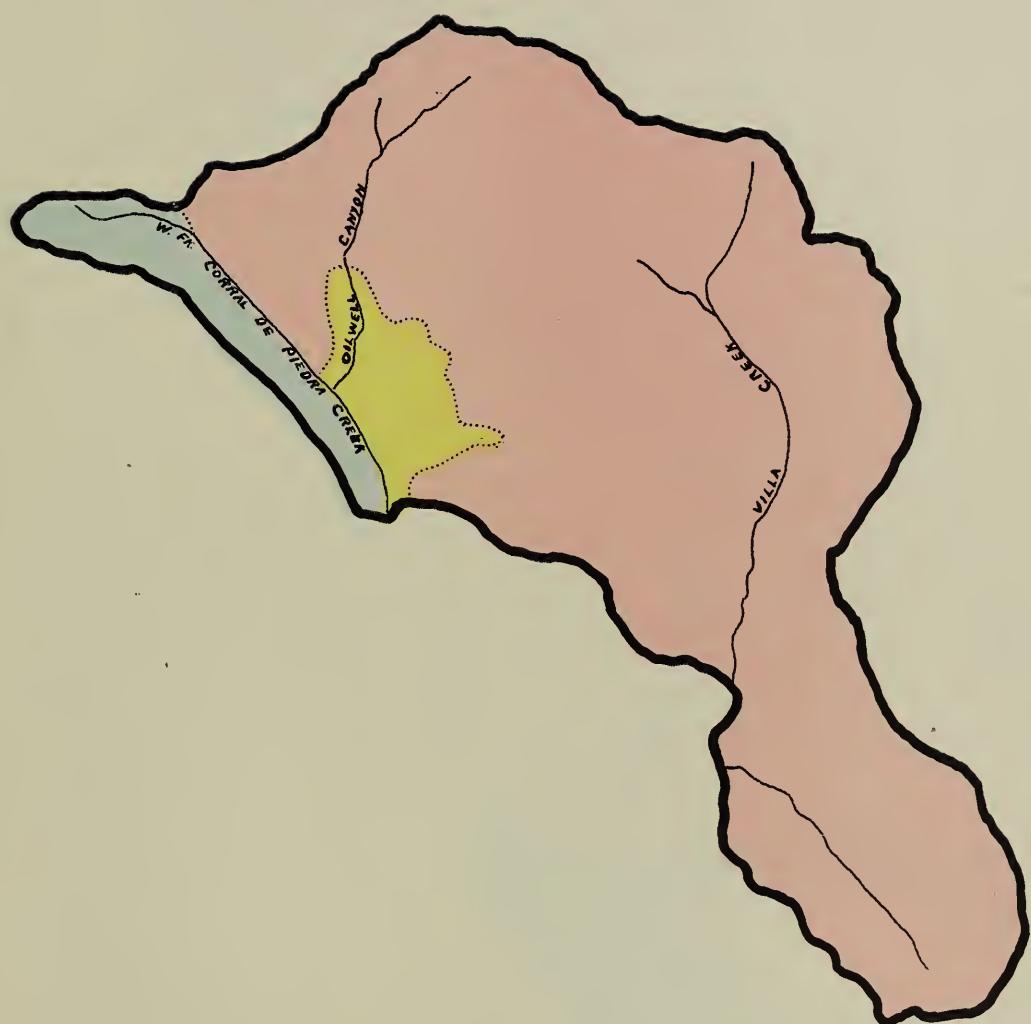
Arroyo Grande Creek P-64



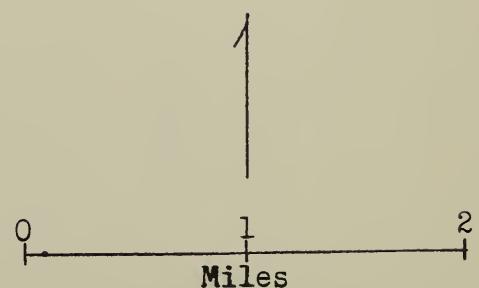








- Zone 1.
- Zone 4.
- Zone 5.







- Zone 1
- Zone 2
- Zone 4
- Zone 5

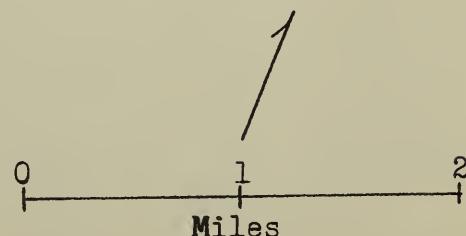
1  
—

0 1 2  
Miles

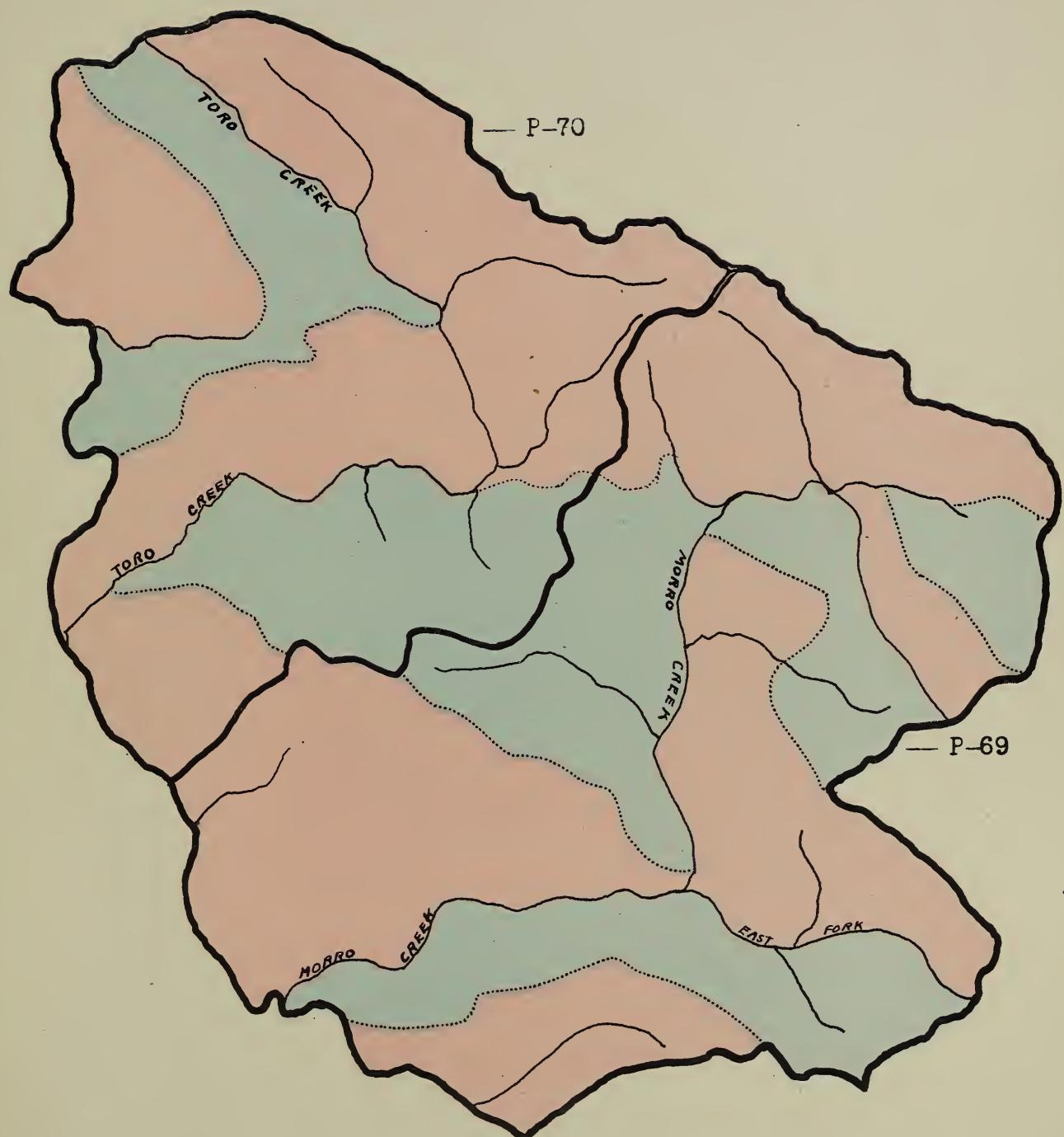




Zone 5







Zone 1

Zone 5

